

트랜스포머

Transformer

| | |
|---|-----|
| 기술적설명 Technical Description | 40 |
| UL인증 트랜스포머 UL Type Transformer | 51 |
| 휴즈부착형 트랜스포머 Fuse Type Transformer | 57 |
| DIN-Rail 겸용 트랜스포머 DIN-Rail Type Transformer | 65 |
| 경제형 트랜스포머 General Type Transformer | 77 |
| 단상복권형 1 \emptyset Isolation transformer | 83 |
| 단상단권형 1 \emptyset Auto. transformer | 107 |
| 삼상복권형 3 \emptyset Isolation transformer | 116 |
| 삼상단권형 3 \emptyset Auto. transformer | 117 |
| 단상, 삼상 외함형 1 \emptyset , 3 \emptyset Case Type | 119 |
| 1\emptyset DC 출력형 트랜스포머 DC Power Transformer | 125 |
| 3.3kVA, 6.6kVA 트랜스포머 High Voltage Transformer | 127 |
| 삼상 동기제어용 트랜스포머 3 \emptyset Synchro Control Transformer | 129 |
| 펄스 트랜스포머 Pulse Transformer | 130 |
| 전류센서 Current Sensor | 131 |

⚠ 주의

LED 통진 표시 램프가 부착된 단자대 및 회전식 투명 안전커버를 채용한 트랜스포머는 대한민국 발명특허를 획득하여 특허법에 의한 법적인 보호를 받는 주식회사 운영 만의 고유 기술입니다.

LED LAMP 단자대 트랜스
 • 발명특허 제2006-83128
 • 의장등록 제96-019675

⚠ Caution

Terminal block type transformer with protection cover and LED lamp acquires ROK patent of invention that advance and is characteristic technology of WOONYOUNG CO, LTD that receive protection by ROK patent law.

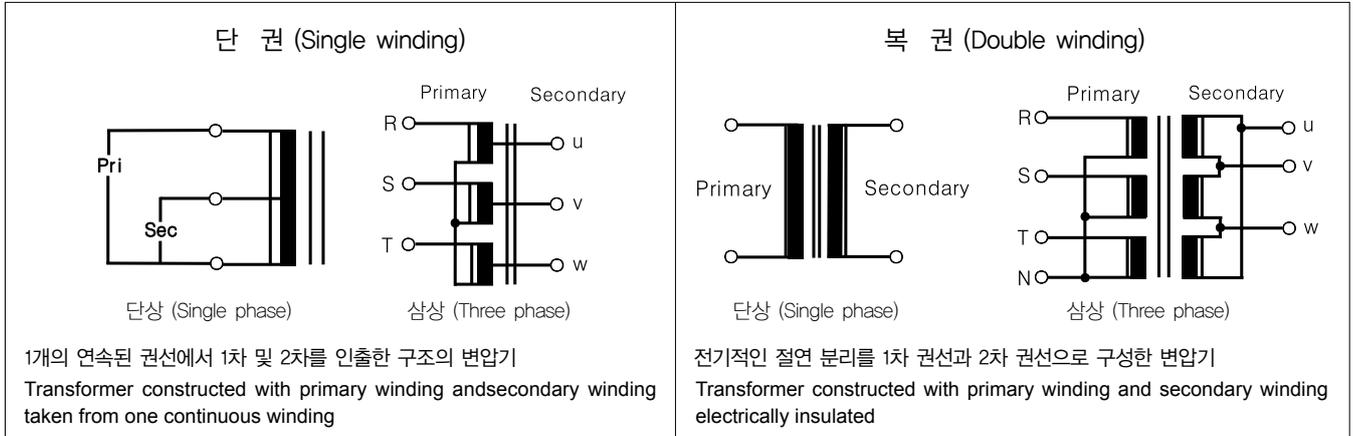
Terminal Block Type Transformer With LED Lamp
 • Patent of invention No 2006-83128
 • Resistration of Design No 96-019675

TRANSFORMER

1. 단권변압기 및 복권변압기의 주요사양 및 특성표 1Ø, 3Ø Specification

● 단권 변압기 및 복권 변압기 회로도

(Single winding Transformer and Double winding Transformer Circuit)



● 용량 계산 (Calculation of Capacity)

$$1\phi \quad W(\text{VA}) = E(\text{V}) \times I(\text{A})$$

$$3\phi \quad W(\text{VA}) = E(\text{V}) \times I(\text{A}) \times \sqrt{3}$$

W=용량 (Capacity) : VA

E=2차 전압 (Secondary voltage) : V

I=2차 전류 (Secondary current) : A

● 변압기의 보호 회로

변압기 사고의 원인으로는 변압기 자체의 이상, 배선 연결이상 부하의 이상, 전원 전압의 이상과 온도 상승 등에 있는 것으로 생각됩니다. 변압기 사고가 발생할 경우 화재, 감전 등의 사고에 직결되며 용이하게 변압기를 사용함에 있어서 적합하고 적절한 보호 대책을 강구함을 필요로 하겠습니까. 구체적인 방법은 전류 휴즈 Circuit - protector 보호 전자 회로 등을 사용합니다. 전류 휴즈 Circuit - protector 선정에 주의하지 않으면 안되는 것은 전원 투입 시 순간적인 정상 전류의 수배부터 수십배까지 흐르는 여자 돌입 전류에 대해서 보호 회로가 동작하지 않는 경우와 이상 발생시 확실히 회로를 차단한다는 경우 두가지를 가정하지 않으면 안되는 것입니다. 이 두가지 요소를 동시에 충족하는 보호 회로로서 전류 휴즈와 Time-lock 용단형 휴즈 Circuit- protector로서는 Initial 특성 등의 변압기 보호용으로서 시판되는 것을 선정하여 주십시오. 또 그 외의 보통 용단형, 속도형을 사용하는 경우에는 전원 투입 시에 빈번하게 동작하거나 반대로 이상 시에 동작 한다거나 하는 불충분하게 발생하는 것은 주의 하십시오. 휴즈 또는 Protector의 정격치는 아래의 공식을 참조하시기 바랍니다.

휴즈 정격치 = 변압기의 정상 1차 전류/0.7~0.8

변압기의 정상 1차 전류 즉 정격 용량/(효율×입력 전압) ← 효율은 우측 도표 참조

Rated figure of fuse=the Primary current of transformer/0.7~0.8
The Primary current of transformer =rated capacity/(efficiency×input Voltage)-refer to the table on the right hand side in terms of efficiency.

● Transformer Protection

Reasons of accident at transformer are error of transformer itself, error of load at the wiring linkage, error of electric power and increase of temperature etc.

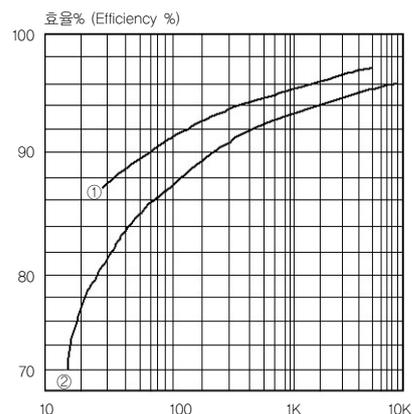
Error if transformer is directly related with fire and electric shock and proper and adequate measure therefore is required in order to use transformer easily. Particularly, electric current fuse, circuit-protector and protector electric circuit etc. are used. When electric current fuse, circuit-protector are selected, two cases should be considered.

One is when circuit protector does not operate for input current which is more than ten times of temporary normal current in case of thrust of electric current and the other is when circuit is completely intercepted in case of error.

Please select circuit-protector which meet two factors mentioned above at the same time. They are electric current fuse, time-lock fuse and transformer protector which initial feature in terms of circuit-protector.

When normal type and high speed type are used, precautions must be made if it operates in abnormal situation or occurs insufficiently. Method to calculate rated figure of fuse or protector are as below left formula.

● 정격출력-효율곡선(Rated Output Efficiency Curve)



정격출력 VA
Rated Output VA
① 단상단권 2:1
Single Phase
(Single-winding)
② 단상복권
Single Phase
(Double-winding)

2. 전원 트랜스의 사양 Specification

● 전원 트랜스의 용량

전원 트랜스의 용량은 2차 권선의 전압과 전류의 합계를 구합니다. 부하가 정류부하의 경우는 교류로 환산해야 하며 환산표를 참조 하기 바랍니다.

● Transformer Capacity

Concerning capacity of transformer is total including voltage and current of secondary winding. if DC load with rectifying circuit, please converting AC load refer below table.

| 정류방식 Type of Rectifier | 회로 Schematic | |
|------------------------------------|-----------------|---|
| 반파 Half Wave | | $E_{ac} \approx E_{dc} \times 1.0$ $I_{ac} \approx I_{dc} \times 2.2$ |
| 양파 Full Wave | | $E_{ac} \approx E_{dc} \times 0.8$ $I_{ac} \approx I_{dc} \times 1.0$ |
| 브릿지 Bridge | | $E_{ac} \approx E_{dc} \times 0.8$ $I_{ac} \approx I_{dc} \times 1.6$ |
| 반파배전압 Half Wave Voltage Doubler | | $E_{ac} \approx E_{dc} \times 0.45$ $I_{ac} \approx I_{dc} \times 3.3$ |

● 전원 트랜스의 크기

2차 회로의 전압과 전류로서 전원트랜스의 크기를 결정 한다고 사료 되지만 동일 출력 용량일 경우에 정류회로서 전원 트랜스의 용량 크기는 어떻게 변화하는지 예를 들어 보겠습니다.

● Size of transformer

It has been known that size of transformer is decided by voltage and current of the secondary circuit. In case of identical output capacity, it will be described with relevant example how capacity of transformer varies as a rectifying circuit.

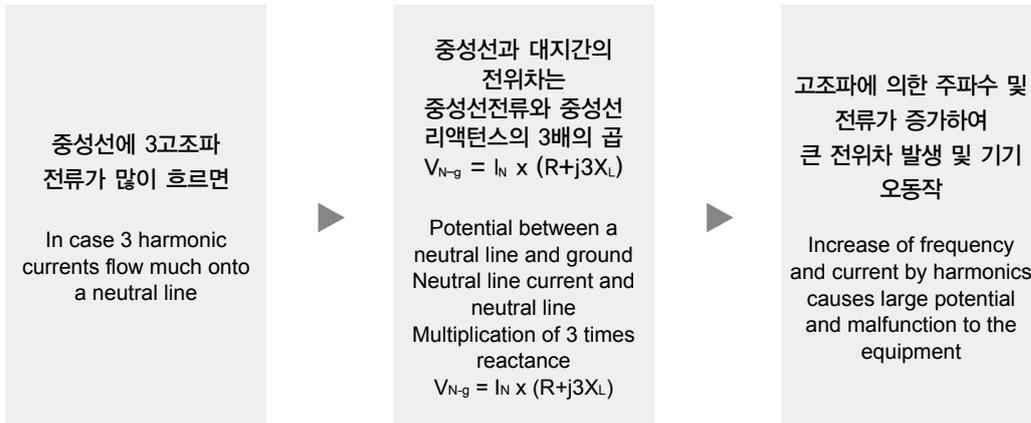
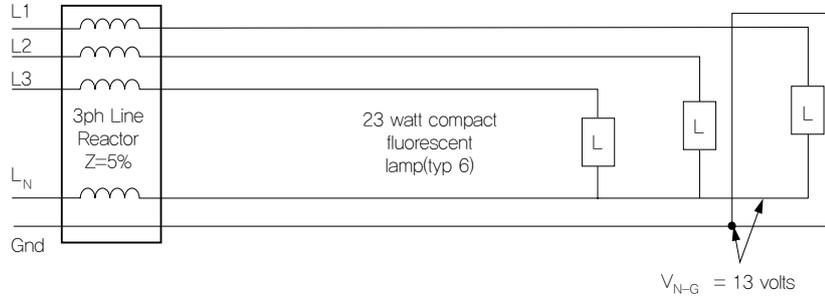
| | | | |
|-----------|--|-----------|---|
| Half Wave | | 24V 1A | $VA \approx 24V \times 2.2A \approx 52.8VA$ |
| Full Wave | | 24V 1A | $VA \approx 38.4V \times 1A \approx 38.4VA$ |
| Bridge | | 24V 1A | $VA \approx 19.2V \times 1.6A \approx 30.7VA$ |

상기와 같이 회로에 따라 전원 트랜스의 크기는 상당히 변하게 되므로 같은 방법으로 회로의 사용방법(단시간부하, 순간 부하등)에 의거 전원 트랜스는 소형이 되기 때문에 사양선정에 주의를 해야 합니다.

With above, size of transformer according to rectifying circuit that use changes. Also, size of transformer must observe in selection because can be decrescent therefore to use method (short duty load and fast transient load ext).

2. 전원 트랜스의 사양 Specification

- 대지전위 상승
Escalation of Ground Potential (Ground wave form)



- 절연 종별 허용 온도상승 (Allowable Temperature Rise Of Various Insulation Class)

| Insulation (절연종별) | A(종) Class(A) | B(종) Class(B) | H(종) Class(H) |
|---|---------------|---------------|---------------|
| 허용최고온도(절연물) (Allowable Max. Temperature) | 105°C | 130°C | 180°C |
| 허용상승온도(권선) (Allowable Tem. Rise) | 60°C | 80°C | 120°C |

※ Standard : IEC 61558-1

- 변압기 사용상태

- 주위온도 : -5°C ~ +48°C (연간평균온도 20°C)
- 표고 : 1000m 이하
- 사용장소 : 옥내용

- Condition of Using Transformer

- ambient temperature : -5°C + 48°C (yearly average temperature 20°C)
- Altitude : below 1000m
- Place of use : In house

2. 전원 트랜스의 사양 Specification

● 배선용 차단기의 적용

고조파를 포함한 전로에서 배선용 차단기를 적용하는 경우, 전류왜형파에 의한 특성변화와 온도상승을 고려해서 정격전류에 대해서 여유있게 결정할 필요가 있다.

일반적으로 안전하게 통전할 수 있는 부하전류는 각종요인을 고려하고, 배선용차단기 정격전류의 80%이하에서 선정하는 것을 권장하고 있다. 특히 왜형이 큰 경우, 예를 들면 열동전자형에서는 부하전류가 정격전류의 70% 이하가 되도록 배선용 차단기를 선정한다

● 변압기 권선 과열

- 변압기의 권선온도 상승

$$\Delta\theta_o = \Delta\theta_1 \times \left(\frac{I_e}{I_1}\right)^{1.6}$$

I_1 : 기본파전류

$\Delta\theta_1$: 기본파전류에 의한 권선온도 상승

$\Delta\theta_o$: 유입변압기의 온도 상승

I_e : 고조파전류를 포함한 등가전류

예) 고조파전류를 포함한 등가전류 800A, 기본파 전류 650A인 경우

$$\Delta\theta_o = \Delta\theta_1 \times (800/650)^{1.6} = \Delta\theta_1 \times 1.394$$

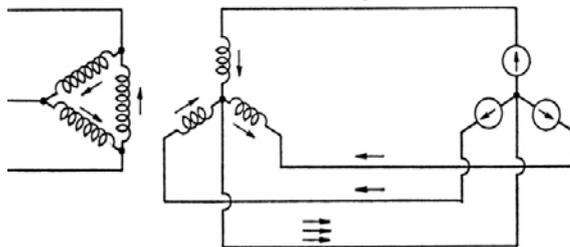
즉, 기본파전류에 의한 온도 상승보다 약 39% 증가한다.

또한 $\Delta\theta_1 = \Delta\theta_o \times 0.717$

그러므로, 기본파에 의한 온도상승 $\Delta\theta_1$ 은 고조파 전류를 제거하게 되면 약28% 정도 온도상승이 감소하게 된다.

● 고조파 발생원

Source of Harmonics (THD)



● 주문 방법 (Ordering)

- 1) Phase : 1Ø, 3Ø (Connection)
- 2) Frequency : 50Hz, 60Hz
- 3) Winding : Single, Double winding
- 4) Primary Voltage And Tap Voltage
- 5) Secondary Voltage And Tap Voltage, Current(V, A, VA)
- 6) Voltage Regulation(%)
- 7) Secondary Voltage Tolerance(±%)
- 8) Insulation Resistance(>10MΩ at DC 500V)
- 9) Dielectric With Standing Voltage(AC kV/1min)

● Application of circuit brake

In case of implementing a circuit brake in electrical circuit with harmonic frequencies included it needs to be decisive sufficient on the rated current in consideration of characteristic change and temperature increase upon distorted current wave. It is generally recommended that the load current which is generally conductive in safe can be selected below 80% of the rated current of the circuit brake with consideration of various factors. Especially for large size like thermodynamic for an example, the circuit brake is selected with the load current below 70% of the rated current.

● Transformer winding overheat

- Increase of temperature from windings on transformer

I_1 : Sinusoidal Wave Current

$\Delta\theta_1$: Winding temperature increase by sinusoidal wave current

$\Delta\theta_o$: Temperature increase of oil-immersed transformer

I_e : equivalent currents with harmonic currents included.

i.e.) Equivalent current is 800A including harmonic current, and sinusoidal wave current is 650A.

$$\Delta\theta_o = \Delta\theta_1 \times (800/650)^{1.6} = \Delta\theta_1 \times 1.394$$

In other word, temperature increases by approx. 39% rather than that by sinusoidal wave current.

Also $\Delta\theta_1 = \Delta\theta_o \times 0.717$

Therefore, temperature increase $\Delta\theta_1$ by sinusoidal wave current decreases by approx. 28% if harmonic current is removed.

● How to Order (Ordering)

- 1) Phase : 1Ø, 3Ø (Connection)
- 2) Frequency : 50Hz, 60Hz
- 3) Winding : Single, Double winding
- 4) Primary Voltage And Tap Voltage
- 5) Secondary Voltage And Tap Voltage, Current(V, A, VA)
- 6) Voltage Regulation(%)
- 7) Secondary Voltage Tolerance(±%)
- 8) Insulation Resistance(>10MΩ at DC 500V)
- 9) Dielectric With Standing Voltage(AC kV/1min)

노이즈컷트 트랜스

REACTOR 리액터

TRANSFORMER 트랜스포머

AHP 수평형필터

PHF 수직형필터

MSF 마이크로서지필터

ZHF 영상고조파필터

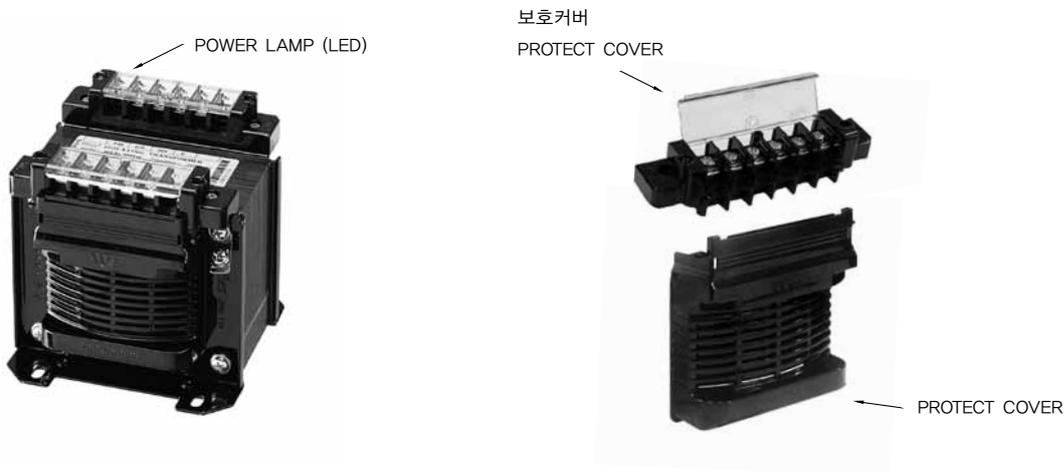
SPD 서지보호기

3. Terminal Block Specification

● Terminal Specification

- Rating Current : 600V/10A~100A (Max)
- 절연저항(Insulation Resistance) : More Than 100 M Ω DC500V
- 내전압(Withstand Voltage) : AC 2500V / Min
- 단자볼트(Wire Banding Bolt) : M3,5~M6 Bolt

● 표준형 단자대 형상(External Appearance of Standard Terminal Block)



● 전압, 전류, 용량별 단자대 및 볼트형태 구분표

(Terminal and Bolt Type Compare Chart Of Voltage, Current and Capacity.)

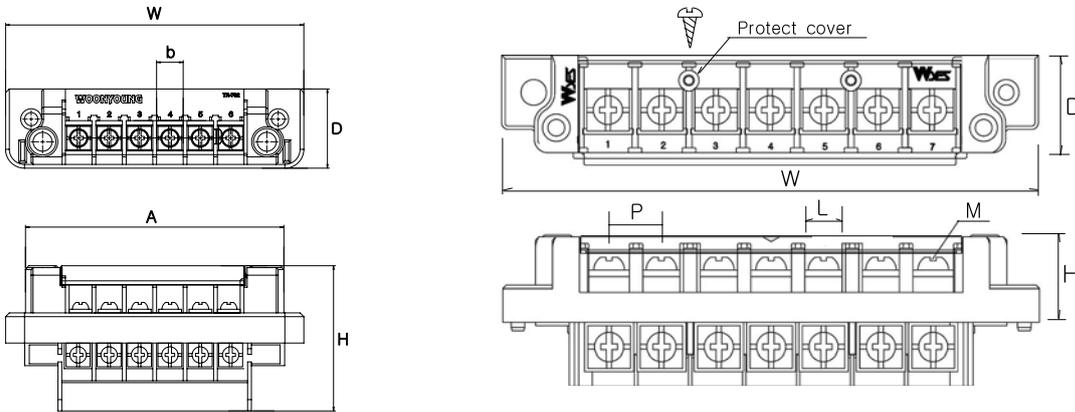
| 단자호칭 (Terminal Designation) | 전류 (A) | 형상 Fig | Voltage | | 단자폭 L | 볼트 M | 단자볼트 (Terminal Bolt) | 적용전선 (Suitable Wire) | 단자규격 (Ring Terminal Standard) | 적용용량(VA) (Capacity Standard) | |
|--------------------------------|-----------|-----------|-------------------|-------------------|----------|---------|-------------------------|---|---|---------------------------------|-----------------|
| | | | Pri. (V) | Sec. (V) | | | | | | 복권 (Double) | 단권 (Single) |
| 76,2 | 0,5~1,3 | 1 | 220V ~ 460V | 110V ~ 220V | 7,0 | 3,5 | 3,5 X 7,0mm | 0,9mm ² | 1,5-6,0 \emptyset | 40~150VA | 75~300VA |
| 105 | 1,0~3,0 | 2 | | | 8,0 | 4 | 4,0 X 8,0mm | 0,9mm ² ~ 1,5mm ² | 1,5-8,0 \emptyset | 200~300 | 500 |
| 135 | 2,5~10 | 3 | | | 8,5 | 4 | 4,0 X 9,0mm | 1,5mm ² ~ 4,0mm ² | 1,5-8,0 \emptyset ~ 4,0-8,0 \emptyset | 500 | 1K |
| 152 | 3,5~45 | 4 | | | 12,0 | 4 | 4,0 X 9,0mm | 1,5mm ² ~ 16mm ² | 1,5-10 \emptyset ~ 16-10 \emptyset | 750~5K | 2K~10K |
| 대용량 (High Curr.) | 35~90 | 5 | | | 20,0 | 6 | 6 X 11mm | 16mm ² ~ 35mm ² | 16-10 \emptyset ~ 35-16 \emptyset | 7,5K ~ 15K | 15K ~ 30K |
| | 100 | - | | | 23,0 | 8 | 8 X 12mm | 35mm ² | 35-16 \emptyset | 30k~50k | 30~50k |
| | 150 | - | | | 26,0 | 8 | 8 X 15mm | 50mm ² | 50-20 \emptyset | 50k | 50k |
| | 200 | - | | | 28,0 | 10 | 10 X 15mm | 95mm ² | 95-20 \emptyset | 75k | 75k |

4. Terminal Block Dimension

- 단자대 치수 (Terminal Block Dimension)
- 정격 (Rating)

| 단자대 종류 Terminal Designation | 복 권 Dobule Winding type(VA) | | 단 권 Single Winding type(VA) | | Type |
|--|--------------------------------|----------|--------------------------------|---------|------|
| | 1Ø | | 1Ø | | |
| 76.2  | 1Ø | 40~150 | 1Ø | 75~300 | Fig1 |
| | 3Ø | - | 3Ø | - | |
| 105  | 1Ø | 200~300 | 1Ø | 500 | Fig2 |
| | 3Ø | - | 3Ø | - | |
| 135  | 1Ø | 500 | 1Ø | 1k | Fig3 |
| | 3Ø | 100~300 | 3Ø | 200~500 | |
| 152  | 1Ø | 750~5k | 1Ø | 2k~10k | Fig4 |
| | 3Ø | 500~10k | 3Ø | 1k~15k | |
| 180  | 1Ø | 3k~7.5k | 1Ø | 5k~15k | Fig5 |
| | 3Ø | 3k~10k | 3Ø | 5k~20k | |
|  | 1Ø | 7.5k~20k | 1Ø | 15k~30k | Fig6 |
| | 3Ø | 15k~30k | 3Ø | 30k~40k | |

- Dimension



Unit : mm

| Type | Dimension | | | | | |
|-------------|-----------|------|------|----|-----|---------|
| | W | H | D | P | L | M |
| Fig1 (76.2) | 78 | 20,5 | 21 | 8 | 7 | 3,5 X 7 |
| Fig2 (105) | 112 | 21 | 28 | 11 | 8 | 4 X 8 |
| Fig3 (135) | 140 | 20 | 31 | 12 | 8,5 | 4 X 8 |
| Fig4 (152) | 159 | 26 | 32,5 | 16 | 12 | 4 X 9 |
| Fig5 (180) | 184 | 34 | 38 | 20 | 16 | 6 X 12 |
| Fig6 (대용량) | 220 | 38 | 41 | 23 | 20 | 6 X 11 |

TRANSFORMER

5. 전원 트랜스 취부방법 Mounting Method of Transformer

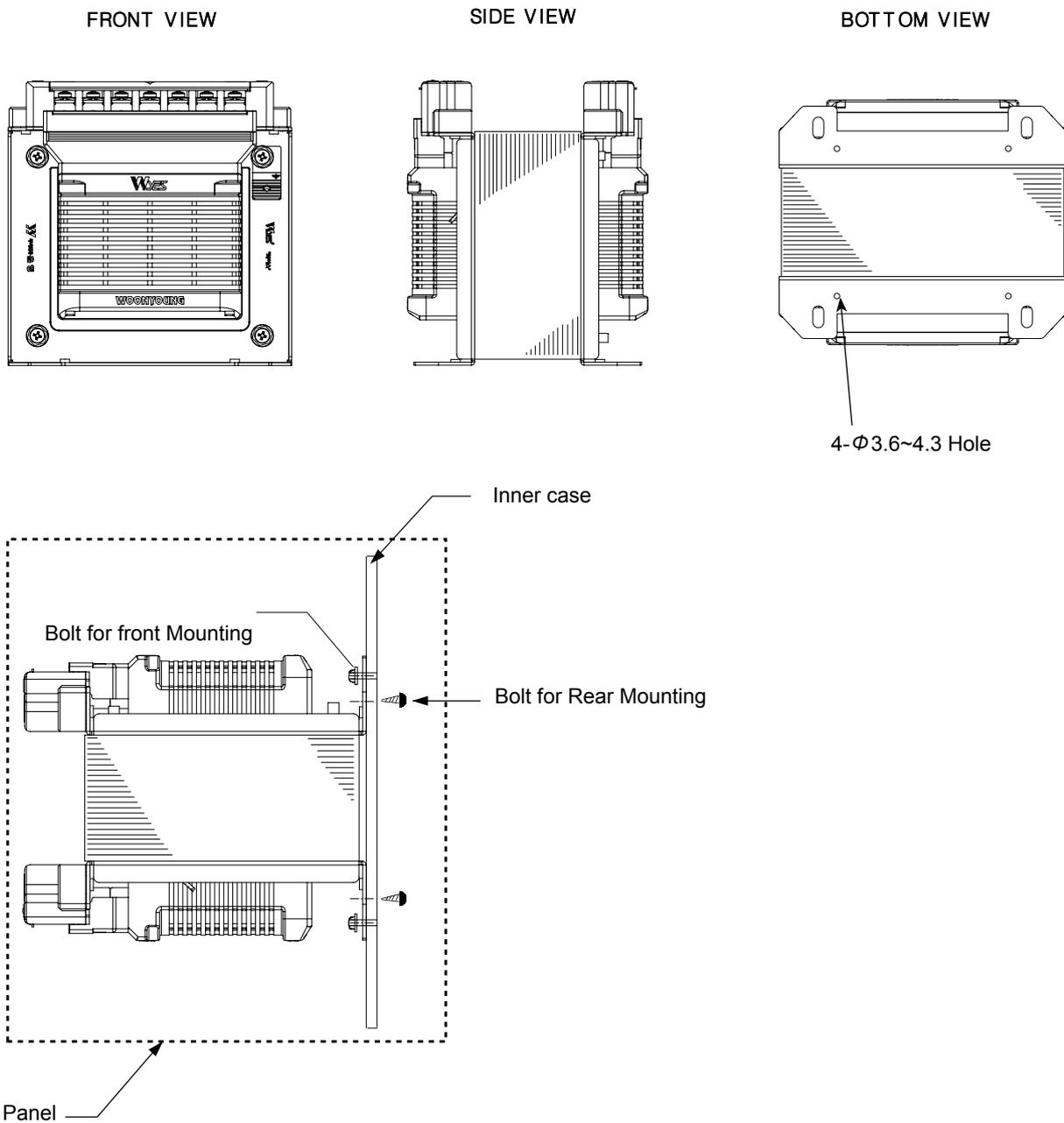
● 트랜스 취부방법

WT, WO 의 제품중에 종전에는 Bolt와 Nut를 사용하여 전면 취부하였으나 본 제품은 Panel의 속판을 사용하는 경우에는 Bolt와 Nut의 체결방법은 물론이고 그림과 같이 후면에서 취부할 수 있도록 제품의 커버에 m/m 탭을 추가하여 설계 되어 있으므로 참고 하시어 사용 바랍니다.

● Mounting Method of Transformer

Conventionally, bolt and nut are used for bracket in terms of WT, WO product. But for this product, m/m tap is added to the cover of the product in order to bracket bolt/nut but also from the back as indicated in the picture.

● WT Type 의 취부 예 (Mounting Example for WT Type)



6. 타입별 형상 Shape of Types

| | | |
|---|---|--|
| <p>PULSE TYPE</p>  | <p>WP TYPE</p>  | <p>CT TYPE</p>  |
| <p>WB TYPE</p>  | <p>DIN-Rail TYPE</p>  | <p>WE TYPE</p>  |
| <p>WO TYPE</p>  | <p>W3PO TYPE</p>  | <p>WT TYPE</p>  |
| <p>W3PT TYPE</p>  | <p>WYC TYPE</p>  | <p>WPT TYPE (3.3kV~6.6kV 고압 FUSE 부착)</p>  |
| <p>WDC TYPE (DC Output)</p>  | <p>FUSE 부착 FD TYPE (FUSE)</p>  | <p>NOISE CUT TRANSFORMER (NCT)</p>  |

노이즈컷트랜스
NCT

리액터
REACTOR

트랜스포머
TRANSFORMER

3상용필터
AHF

수상용필터
PHF

마이크로서지필터
MSF

영상고조파필터
ZHF

서지보호기
SPD

● Model Type

- WB WOON YOUNG BAND SOLDER TYPE (밴드카바 납땜형)
- WP WOON YOUNG PCB MOUNT TYPE (기판 삽입형)
- WT WOON YOUNG TERMINAL BLOCK TYPE (단자대형)
- WE WOON YOUNG ENCLOSURE LEAD WIRE TYPE (리드와이어 및 권선보호 덮개형)
- W3PT ... WOON YOUNG 3-POLE TERMINAL BLOCK TYPE(3Ø 단자대형)
- WO WOON YOUNG OPEN COVER SOLDER TYPE (카바 납땜형)
- WMT ... WOON YOUNG MOLDING TERMINAL BLOCK TYPE (몰딩 단자대형)
- W3PO ... WOON YOUNG 3-POLE SOLDER TYPE (3Ø 납땜형)
- DC WOON YOUNG DC POWER SUPPLY

7. 조건표 Chart of Type

| | | | | | | | |
|---|--|---------|---|---|---------------|-----------------|----|
| TRANSFORMER | 1Phase | UL Type | SERIES | PRIMARY (V) | SECONDARY (V) | PAGE | |
| | | | WY21-UL   | 200~240 | 100~120 | 52 | |
| | | | WY22-UL   | 200~240 | 200~240 | 53 | |
| | | | WY41-UL   | 380~480 | 100~120 | 54 | |
| | | | | WY42-UL   | 380~480 | 200~240 | 55 |
| | | 3Phase | UL Type | WY3P42-UL   | 200~240 | 100~120 | 56 |
| | | 1Phase | FUSE Type | WY2224-FD  | 220 | 24, 0-24 / 0-24 | 58 |
| | WY2211-FD  | | | 220 | 110 | 59 | |
| | WY2222-FD  | | | 220 | 220 | 60 | |
| | WY3811-FD  | | | 380 | 110 | 61 | |
| | WY3822-FD  | | | 380 | 220 | 62 | |
| | WY4411-FD  | | | 440 | 110 | 63 | |
| | WY4422-FD  | | | 440 | 220 | 64 | |
| | | 1Phase | DIN-Rail Type 복권식 | WY2224-TD  | 220 | 24, 0-24 / 0-24 | 66 |
| | WY2211-TD  | | | 220 | 110 | 67 | |
| WY2222-TD  | 220 | | | 220 | 68 | | |
| WY3811-TD  | 380 | | | 110 | 69 | | |
| WY3822-TD  | 380 | | | 220 | 70 | | |
| WY4411-TD  | 440 | | | 110 | 71 | | |
| WY4422-TD  | 440 | | | 220 | 72 | | |
| | | | DIN-Rail Type 단권식 | WYAU2211-TD  | 0-110-220 | | 73 |
| | | | | WYAU3822-TD  | 0-220-380 | | 74 |
| | | | | WYAU4422-TD  | 0-220-440 | | 75 |

7. 조건표 Chart of Type

TRANSFORMER

1Phase

| | SERIES | PRIMARY (V) | SECONDARY (V) | TYPE | PAGE |
|-------------------------------------|-------------------|-------------------|-----------------|---------|------|
| General Type 경제형 | WYTB-AP CE | 220 | 24 | WT | 78 |
| | WY21-A CE | 220 | 110 | WT | 79 |
| | WY32-AW CE | 380 | 220 | WT | 80 |
| | WY42-AW CE | 440 | 220 | WT | 81 |
| Isolation Transformer 복권식 | WYPM | 0-110-220 | 5V 이상 50V 이하 | WP | 84 |
| | WYSH | | | WB, WO | 85 |
| | WYTB-AP CE | | | WT | 87 |
| | WYEW-AP | | | WE | 90 |
| | WYEW-HP | 0-380-440 | | WE | 90 |
| | WYHP-AP | 0-220-380-440 | | WT, WMT | 91 |
| | WY21-A CE | 220 | 110 | WT, WMT | 92 |
| | WY21-AO | | | WB, WO | 93 |
| | WY21-AE | | | WE | 94 |
| | WY21-A2 | | 110/12~24 | WT, WMT | 95 |
| | WY11-AF | 110 | 110 | WT | 96 |
| | WY22-AF CE | 220 | 220 | WT | 97 |
| | WY22-FC | | 130~230 | WT | 98 |
| | WY42-FC | 0-380-440 | 130~230 | WT | 98 |
| | WY41-A | 0-380-440-480 | 110 | WT | 99 |
| | WY42-AW CE | 380~440 | 220 | WB, WO | 100 |
| | WY42-AO | | 220 | WT | 102 |
| | WY42-A2 | | 220/12~24 | WE | 103 |
| | WY42-DE CE | | 220 | | 104 |
| | WY52-AW | 0-440-460-480-500 | 0-110-220 | WT | 105 |
| Auto. Transformer 단권식 | WYAU-D | 220 | 110 | WT, WMT | 108 |
| | WYAU-DO | | | WO, WB | 109 |
| | WYAU-DE | | | WE | 110 |
| | WYAU-DW | 0-380-440 | 220 | WT, WMT | 111 |
| | WYAU-DWO | | | WB | 112 |
| | WYAU-DWE | | | WE | 113 |

3Phase

| | | | | | |
|--------------------------------------|--------------------------------|--------------|----------|------|-----|
| Isolation Transformer 복권식 | WY3P-W CE | 380~440 | 220 | W3PT | 116 |
| Auto. Transformer 단권식 | WY3P-AU | 380~440 | 220 | W3PT | 117 |
| 1Ø, 3Ø In Case Type | WY1C-A,AW,D,DW 1Ø | 220, 380/440 | 110, 220 | WYC | 120 |
| | WY3C-A, AU 3Ø | 380/440 | 220 | WYC | 122 |
| | DC Power Transformer | | | | 126 |
| | P.T (High Voltage Transformer) | | | | 128 |
| | DC Motor 동기제어용 Transformer | | | | 129 |
| | Pulse Transformer | | | | 130 |
| | C.T (Current Transformer) | | | | 131 |

노이즈컷트랜스

리액터

트랜스포머

안정화필터

수동형필터

마이크로서지필터

영상고조파필터

서지보호기

단상, 삼상 UL인증 트랜스포머

1Ø, 3Ø UL TYPE TRANSFORMER



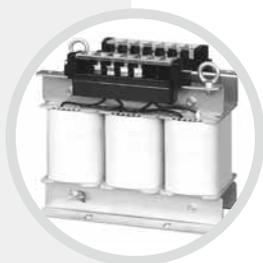
Single phase Transformer

- WY21-UL Series
- WY22-UL Series
- WY41-UL Series
- WY42-UL Series



Three phase Transformer

- WY3P42-UL Series



UL TYPE TRANSFORMER

WY21-UL Series WT Type

UL[®] CE RoHS

UL Cer. No : E349195

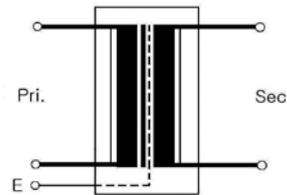
UL 인증

단상 복권형으로 일반 전원 공급용 제품이며 전 규격을 UL[®] CE 인증 받아 신뢰성과 안전성을 동시에 확보한 제품입니다.

The product, which is a single phase isolation transformer general electric source, has been UL[®] CE certified for its proven reliability and safety.



• Circuit Diagram

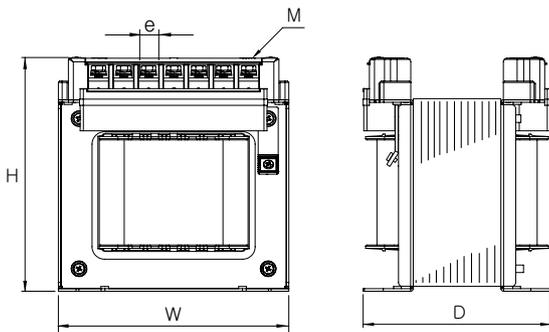


Specifications

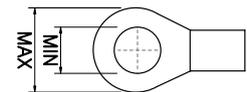
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | | WEIGHT (kg) |
|-------------|------|--------------------------------------|------------------------------|------|-----------------|-------|-------|-------|-----|-------|-------|----|----------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | Ø | M | |
| WY21-100UL | WT | ①200 ②208 ③220 ④230 ⑤240 | ①100 ②110 ③115 ④120 | 100 | 98,4 | 105,9 | 113 | 72 | 92 | 98,4 | 113 | 7 | 6 X 12 | 3,5 | 2,59 |
| WY21-200UL | | | | 200 | 120 | 121,5 | 114 | 84 | 95 | 120 | 114 | 10 | 5,5 X 10 | 4 | 3,60 |
| WY21-300UL | | | | 300 | 140 | 136,5 | 126,2 | 97,9 | 106 | 140 | 126,2 | 10 | 6 X 12 | 4 | 4,97 |
| WY21-500UL | | | | 500 | 160,2 | 161,1 | 146 | 114 | 124 | 160,2 | 146 | 10 | 6 X 13 | 4 | 7,10 |
| WY21-750UL | | | | 750 | 160,2 | 161,1 | 156 | 114 | 134 | 160,2 | 156 | 10 | 6 X 13 | 4 | 10,70 |
| WY21-1KUL | | | | 1K | 184 | 188 | 150 | 133,8 | 122 | 184 | 150 | 10 | 7 X 14 | 4 | 12,30 |
| WY21-1,5KUL | | | | 1,5K | 184 | 188 | 170 | 133,8 | 142 | 184 | 170 | 16 | 7 X 14 | 6 | 16,50 |
| WY21-2KUL | | | | 2K | 219 | 226 | 169 | 180 | 135 | 219 | 172 | 16 | 7 X 15 | 6 | 20,10 |
| WY21-3KUL | | | | 3K | 243 | 247 | 192 | 180 | 165 | 243 | 192 | 16 | 9 X 19 | 6 | 26,70 |
| WY21-5KUL | | | | 5K | 270 | 269 | 200 | 180 | 170 | 270 | 200 | 16 | 9 X 19 | 6 | 40,20 |

※ 1차, 2차 전압은 주문시 선택

Dimension



Terminal



100VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~5kVA : Max 15, Min 6

UL TYPE TRANSFORMER

WY22-UL Series WT Type

UL[®] US CE RoHS

UL Cer. No : E349195

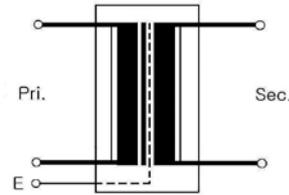
UL 인증

대상 복권형으로 일반 전원 공급용 제품이며 전 규격을 UL[®] CE 인증 받아 신뢰성과 안전성을 동시에 확보한 제품입니다.

The product, which is a single phase isolation transformer general electric source, has been UL[®] CE certified for its proven reliability and safety.



• Circuit Diagram

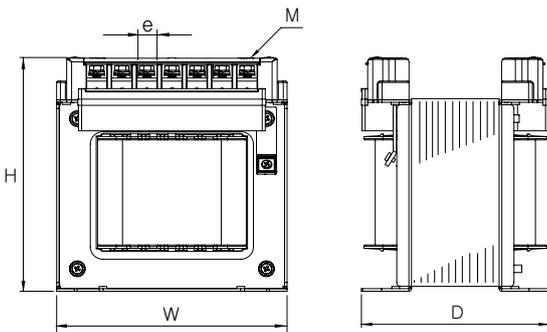


● Specifications

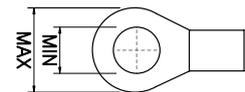
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | | WEIGHT (kg) |
|-------------|------|--------------------------------------|--------------------------------------|------|-----------------|-------|-------|-------|-----|-------|-------|----|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | Ø | M | |
| WY22-100UL | WT | ①200 ②208 ③220 ④230 ⑤240 | ①200 ②208 ③220 ④230 ⑤240 | 100 | 98,4 | 105,9 | 113 | 72 | 92 | 98,4 | 113 | 7 | 6 X12 | 3,5 | 2,59 |
| WY22-200UL | | | | 200 | 120 | 121,5 | 114 | 84 | 95 | 120 | 114 | 10 | 5,5 X10 | 4 | 3,60 |
| WY22-300UL | | | | 300 | 140 | 136,5 | 126,2 | 97,9 | 106 | 140 | 126,2 | 10 | 6 X12 | 4 | 4,97 |
| WY22-500UL | | | | 500 | 160,2 | 161,1 | 146 | 114 | 124 | 160,2 | 146 | 10 | 6 X13 | 4 | 7,10 |
| WY22-750UL | | | | 750 | 160,2 | 161,1 | 156 | 114 | 134 | 160,2 | 156 | 10 | 6 X13 | 4 | 10,70 |
| WY22-1KUL | | | | 1K | 184 | 188 | 150 | 133,8 | 122 | 184 | 150 | 10 | 7 X14 | 4 | 12,30 |
| WY22-1,5KUL | | | | 1,5K | 184 | 188 | 170 | 133,8 | 142 | 184 | 170 | 16 | 7 X14 | 6 | 16,50 |
| WY22-2KUL | | | | 2K | 219 | 226 | 169 | 180 | 135 | 219 | 172 | 16 | 7 X15 | 6 | 20,10 |
| WY22-3KUL | | | | 3K | 243 | 247 | 192 | 180 | 165 | 243 | 192 | 16 | 9 X19 | 6 | 26,70 |
| WY22-5KUL | | | | 5K | 270 | 269 | 200 | 180 | 170 | 270 | 200 | 16 | 9 X19 | 6 | 40,20 |

※ 1차, 2차 전압은 주문시 선택

● Dimension



● Terminal



100VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~5kVA : Max 15, Min 6

UL TYPE TRANSFORMER

WY41-UL Series WT Type

UL Cer. No : E349195

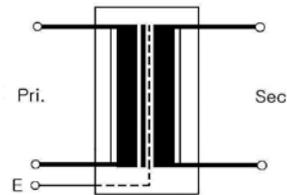
UL 인증

단상 복권형으로 일반 전원 공급용 제품이며 전 규격을 인증 받아 신뢰성과 안전성을 동시에 확보한 제품입니다.

The product, which is a single phase isolation transformer general electric source, has been certified for its proven reliability and safety.



• Circuit Diagram

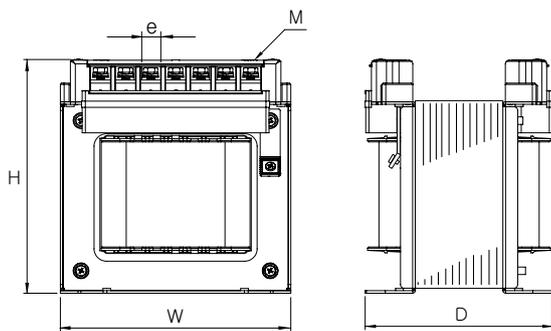


Specifications

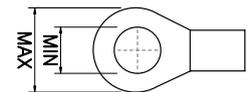
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | | WEIGHT (kg) |
|-------------|------|--|------------------------------|------|-----------------|-------|-------|-------|-----|-------|-------|----|----------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | Ø | M | |
| WY41-100UL | WT | ①380 ②400 ③415 ④440 ⑤460 ⑥480 | ①100 ②110 ③115 ④120 | 100 | 98,4 | 105,9 | 113 | 72 | 92 | 98,4 | 113 | 7 | 6 X 12 | 3,5 | 2,59 |
| WY41-200UL | | | | 200 | 120 | 121,5 | 114 | 84 | 95 | 120 | 114 | 10 | 5,5 X 10 | 4 | 3,60 |
| WY41-300UL | | | | 300 | 140 | 136,5 | 126,2 | 97,9 | 106 | 140 | 126,2 | 10 | 6 X 12 | 4 | 4,97 |
| WY41-500UL | | | | 500 | 160,2 | 161,1 | 146 | 114 | 124 | 160,2 | 146 | 10 | 6 X 13 | 4 | 7,10 |
| WY41-750UL | | | | 750 | 160,2 | 161,1 | 156 | 114 | 134 | 160,2 | 156 | 10 | 6 X 13 | 4 | 10,70 |
| WY41-1KUL | | | | 1K | 184 | 188 | 150 | 133,8 | 122 | 184 | 150 | 10 | 7 X 14 | 4 | 12,30 |
| WY41-1,5KUL | | | | 1,5K | 184 | 188 | 170 | 133,8 | 142 | 184 | 170 | 16 | 7 X 14 | 6 | 16,50 |
| WY41-2KUL | | | | 2K | 219 | 226 | 169 | 180 | 135 | 219 | 172 | 16 | 7 X 15 | 6 | 20,10 |
| WY41-3KUL | | | | 3K | 243 | 247 | 192 | 180 | 165 | 243 | 192 | 16 | 9 X 19 | 6 | 26,70 |
| WY41-5KUL | | | | 5K | 270 | 269 | 200 | 180 | 170 | 270 | 200 | 16 | 9 X 19 | 6 | 40,20 |

※ 1차, 2차 전압은 주문시 선택

Dimension



Terminal



100VA : Max 6, Min 3.5
 200VA~1kVA : Max 9, Min 4
 1.5~5kVA : Max 15, Min 6

UL TYPE TRANSFORMER

산업용변압기

WY42-UL Series WT Type

UL US CE RoHS

UL Cer. No : E349195

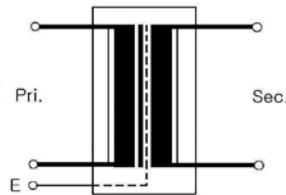
UL 인증

대상 복권형으로 일반 전원 공급용 제품이며 전 규격을 UL US CE 인증 받아 신뢰성과 안전성을 동시에 확보한 제품입니다.

The product, which is a single phase isolation transformer general electric source, has been UL US CE certified for its proven reliability and safety.



• Circuit Diagram

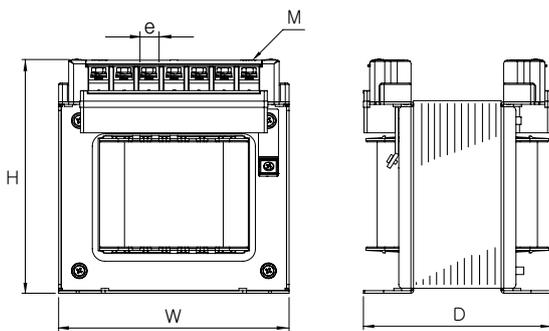


Specifications

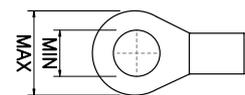
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | | WEIGHT (kg) |
|-------------|------|--|--------------------------------------|------|-----------------|-------|-------|-------|-----|-------|-------|----|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | Ø | M | |
| WY42-100UL | WT | ①380 ②400 ③415 ④440 ⑤460 ⑥480 | ①200 ②208 ③220 ④230 ⑤240 | 100 | 98,4 | 105,9 | 113 | 72 | 92 | 98,4 | 113 | 7 | 6 X12 | 3,5 | 2,59 |
| WY42-200UL | | | | 200 | 120 | 121,5 | 114 | 84 | 95 | 120 | 114 | 10 | 5,5 X10 | 4 | 3,60 |
| WY42-300UL | | | | 300 | 140 | 136,5 | 126,2 | 97,9 | 106 | 140 | 126,2 | 10 | 6 X12 | 4 | 4,97 |
| WY42-500UL | | | | 500 | 160,2 | 161,1 | 146 | 114 | 124 | 160,2 | 146 | 10 | 6 X13 | 4 | 7,10 |
| WY42-750UL | | | | 750 | 160,2 | 161,1 | 156 | 114 | 134 | 160,2 | 156 | 10 | 6 X13 | 4 | 10,70 |
| WY42-1KUL | | | | 1K | 184 | 188 | 150 | 133,8 | 122 | 184 | 150 | 10 | 7 X14 | 4 | 12,30 |
| WY42-1,5KUL | | | | 1,5K | 184 | 188 | 170 | 133,8 | 142 | 184 | 170 | 16 | 7 X14 | 6 | 16,50 |
| WY42-2KUL | | | | 2K | 219 | 226 | 169 | 180 | 135 | 219 | 172 | 16 | 7 X15 | 6 | 20,10 |
| WY42-3KUL | | | | 3K | 243 | 247 | 192 | 180 | 165 | 243 | 192 | 16 | 9 X19 | 6 | 26,70 |
| WY42-5KUL | | | | 5K | 270 | 269 | 200 | 180 | 170 | 270 | 200 | 16 | 9 X19 | 6 | 40,20 |

※ 1차, 2차 전압은 주문시 선택

Dimension



Terminal



100VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~5kVA : Max 15, Min 6

노이즈컷트랜스

REACTOR 리액터

TRANS. 트랜스포머

AHF

PHF 수동용역터

MSF 마이크로서지필터

ZHF 영상고조파필터

SPD 서지보호기

UL TYPE TRANSFORMER

WY3P42-UL Series WT Type



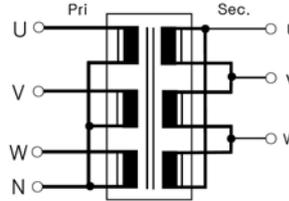
UL Cer. No : E349195

삼상 복권형으로 일반 전원 공급용 제품이며 전 규격을 인증 받아 신뢰성과 안전성을 동시에 확보한 제품입니다.

The product, which is a three phase isolation transformer general electric source, has been certified for its proven reliability and safety.



• Circuit Diagram

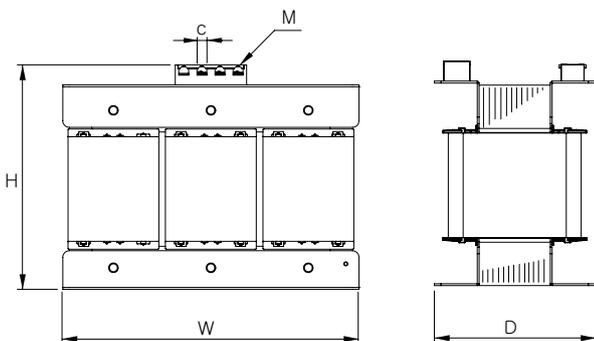


● Specifications

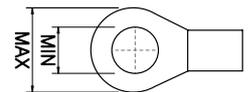
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) | |
|---------------|------|--|----------------------|------|-----------------|-----|-----|-------|-----|----|------------------------|---------|--------------------|-------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | Ø | M | | |
| WY3P42-500UL | WT | ①380 ②400 ③415 ④440 ⑤460 ⑥480 | ①200 ②208 ③220 | 500 | 190 | 172 | 135 | 99 | 130 | 12 | 6,6 x 16,3 | 4 | 8,00 | |
| WY3P42-1KUL | | | | 1k | 235 | 210 | 144 | 113,5 | 120 | 12 | 7 x 14,5 | 4 | 13,00 | |
| WY3P42-1,5KUL | | | | 1,5k | 275 | 248 | 165 | 130 | 120 | 16 | 9 x 19 | 6 | 18,60 | |
| WY3P42-2KUL | | | | 2k | 275 | 248 | 165 | 130 | 120 | 16 | 9 x 19 | 6 | 20,00 | |
| WY3P42-3KUL | | | | 3k | 332 | 292 | 190 | 160 | 180 | 16 | 10,5 x 20,5 | 6 | 30,50 | |
| WY3P42-5KUL | | | | 5k | 332 | 292 | 190 | 185 | 180 | 16 | 10,5 x 20,5 | 6 | 45,00 | |
| WY3P42-7,5KUL | | | | 7,5k | 375 | 311 | 236 | 208 | 180 | 20 | 12 x 20 | 6 | 59,00 | |
| WY3P42-10KUL | | | | 10k | 390 | 339 | 236 | 208 | 180 | 20 | 12 x 20 | 6 | 73,50 | |
| WY3P42-15KUL | | | | 15k | 425 | 368 | 260 | 196 | 205 | 20 | 14 x 40 | 6 | 92,00 | |
| WY3P42-20KUL | | | | 20k | 450 | 344 | 244 | 189 | 205 | 20 | 1st : 15 2nd : 10,5 | 14 x 35 | 1st : 6 2nd : 4 | 101,5 |

※ 1차, 2차 전압은 주문시 선택

● Dimension



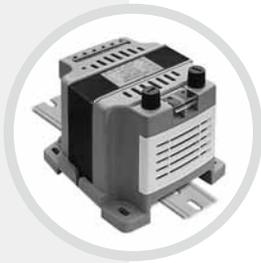
● Terminal



500VA~1kVA : Max 11, Min 4
1.5~15kVA : Max 15, Min 6
20kVA 1st : Max 14, Min 6
2nd : Max 10, Min 4

1Ø FUSE 부착형 트랜스포머

Single Phase, Fuse Type Transformer



Fuse Type Transformer

• WY-FD Series



경고

- DIN-Rail에 본 제품을 취부 시에는 가급적 철재 DIN-Rail을 사용 바랍니다.
- 장거리 운송을 요하는 장비에 본 제품을 적용 시에는 볼트 체결 취부를 권장합니다.



Warning

- We recommended preferably steel material Din - Rail if mounting Din-Rail this good.
- We recommended bolt mounting for using equipment of required long distance shipping.

DIN-Rail & FUSE TYPE TRANSFORMER

WY2224 - FD Series (온도보호 접점내장)

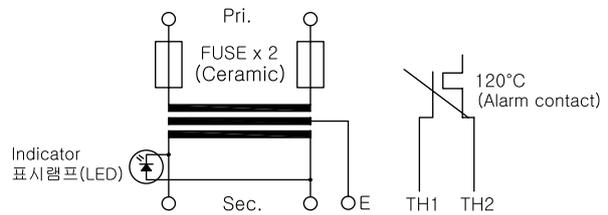


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

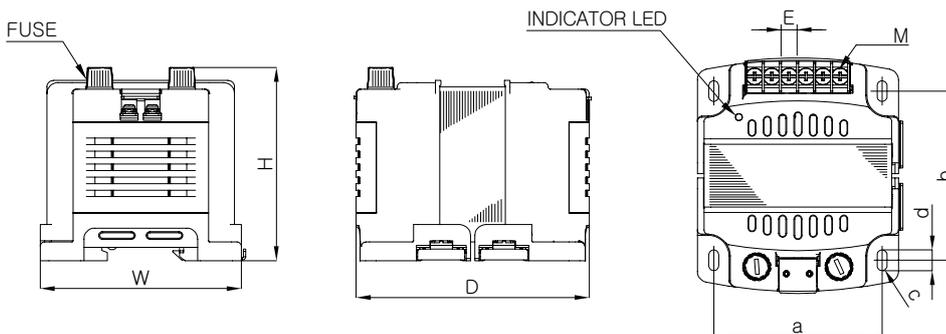


● Specifications

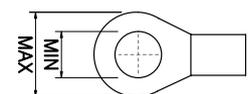
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|------------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY2224-60FD | DIN RAIL & PANEL | 220 | 24 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY2224-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY2224-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY2224-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY2224-280FD | DIN RAIL & PANEL | 220 | 0-24, 0-24 | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY2224-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

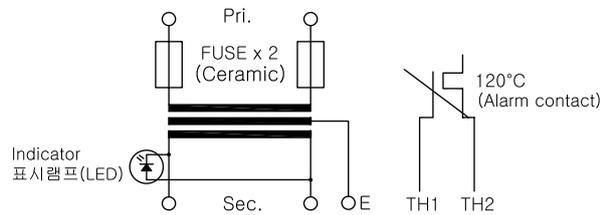


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

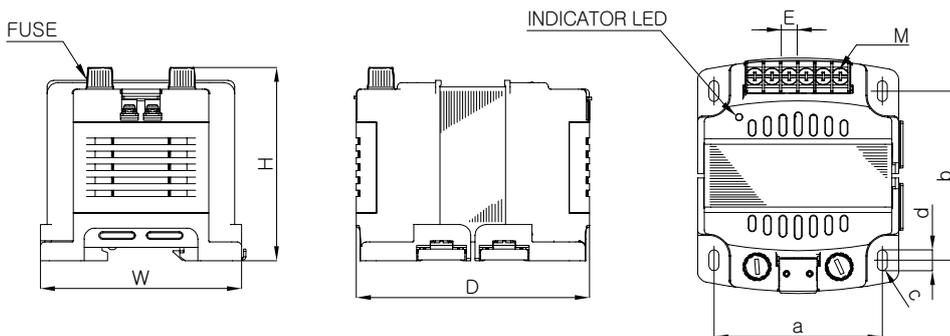


● Specifications

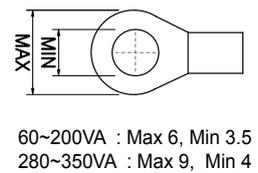
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY2211-60FD | DIN RAIL & PANEL | 220 | 110 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY2211-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY2211-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY2211-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY2211-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY2211-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



노이즈컷트랜스

REACTOR 리액터

트랜스포머

AHF

수용용필터

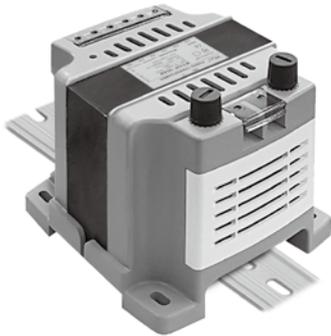
마이크로서지필터

ZHF 영상고조파필터

SPD 서지보호기

DIN-Rail & FUSE TYPE TRANSFORMER

WY2222- FD Series (온도보호 접점내장)

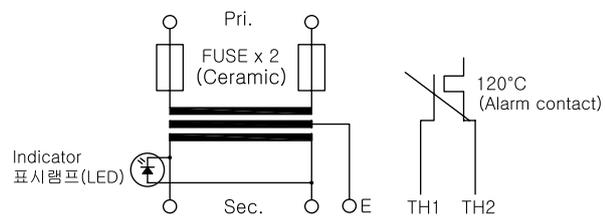


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

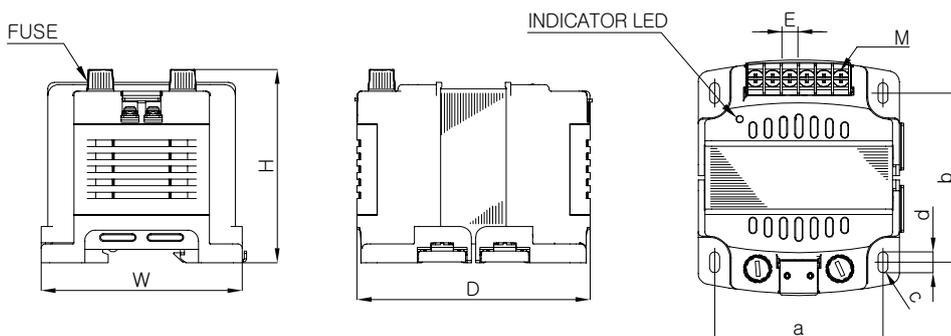


● Specifications

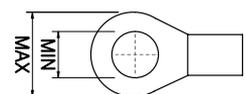
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY2222-60FD | DIN RAIL & PANEL | 220 | 220 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY2222-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY2222-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY2222-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY2222-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY2222-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

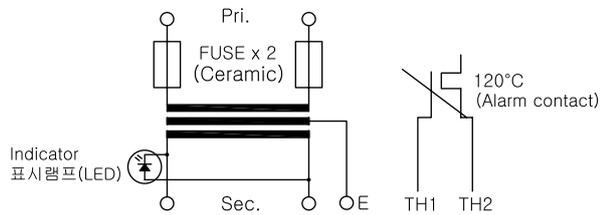


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

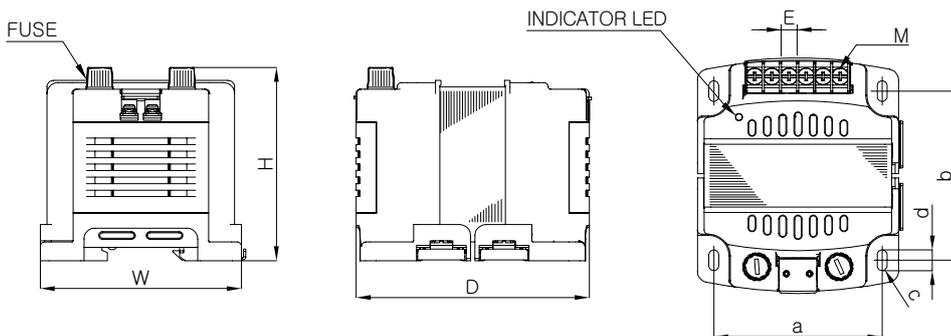


● Specifications

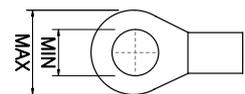
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY3811-60FD | DIN RAIL & PANEL | 380 | 110 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY3811-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY3811-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY3811-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY3811-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY3811-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

DIN-Rail & FUSE TYPE TRANSFORMER

WY3822- FD Series (온도보호 접점내장)

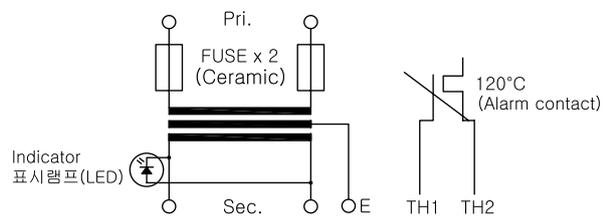


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

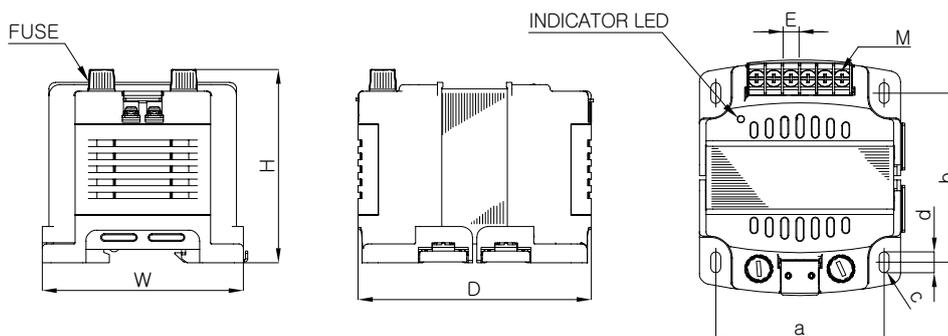


● Specifications

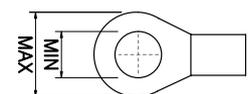
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY3822-60FD | DIN RAIL & PANEL | 380 | 220 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY3822-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY3822-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY3822-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY3822-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY3822-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

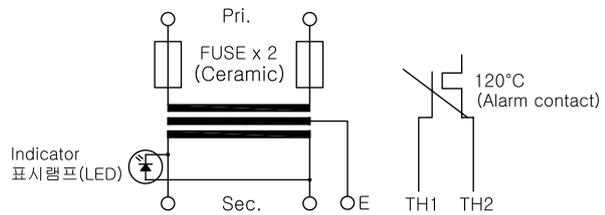


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

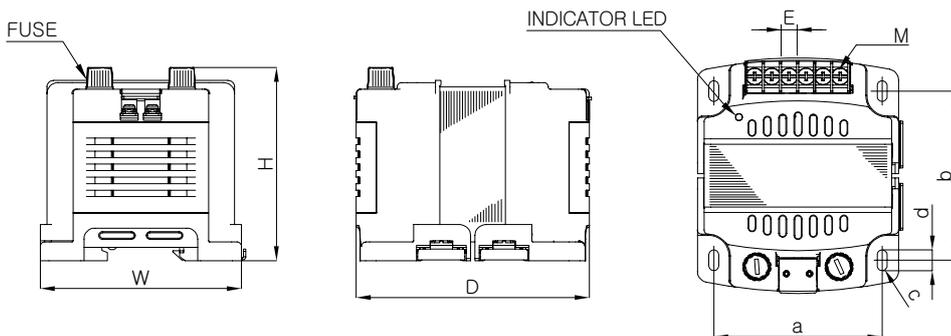


● Specifications

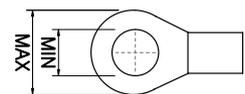
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY4411-60FD | DIN RAIL & PANEL | 440 | 110 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY4411-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY4411-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY4411-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY4411-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY4411-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

노이즈컷트랜스

REACTOR 리액터

TRANSFORMER 트랜스포머

AHF

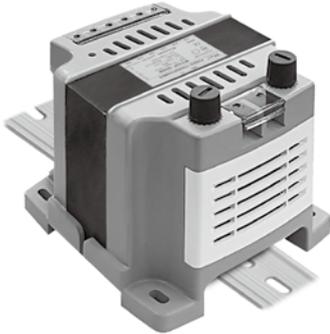
PHF

MSF 마이크로서지필터

ZHF 영상고조파필터

SPD 서지보호기

WY4422- FD Series (온도보호 접점내장)

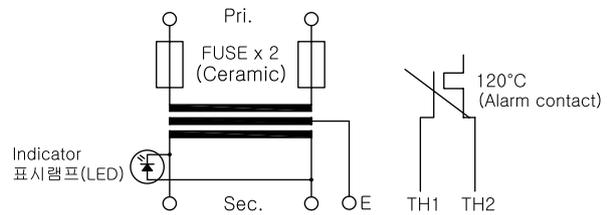


FUSED TRANSFORMER는 1차 측에 Fuse를 장착하여 제작된것으로 부하 단락 및 과부하시 TRANSFORMER 보호 및 설비의 안전 사고를 미연에 방지할 수 있습니다. 또한 DIN Rail 및 Bolt 취부 겸용으로 DIN Rail 사용시 손쉽게 장착 할 수 있습니다.

TRANSFORMER에 전원이 인가되면 전원표시 LED가 점등하여 기기에 통전여부를 확인할 수 있어 소비자의 안정성을 고려한 제품입니다.

The FUSED TRANSFORMER is manufactured by installing a fuse on the TRANSFORMER primary side. It can protect TRANSFORMER and prevent safety accidents in case of short-circuit or overload. In addition, DIN Rail and Bolt are both used for easy installation when using DIN Rail. When power is applied to the TRANSFORMER, the power indicator LED lights up, allowing the user to check whether the power is on or not.

• Circuit Diagram

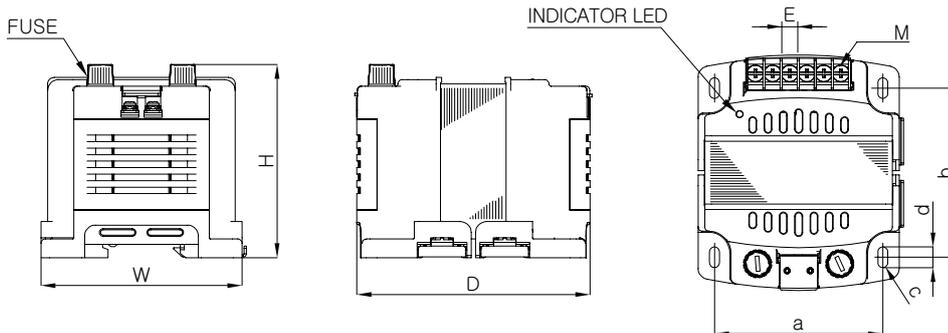


● Specifications

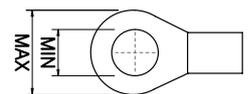
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|--------------|------------------|----------------|---------|-----|-----------------|-----|-----|-----|-----|-----|------|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | E | M | |
| WY4422-60FD | DIN RAIL & PANEL | 440 | 220 | 60 | 95 | 90 | 110 | 77 | 78 | 4,5 | 9,5 | 7 | M3,5 | 1,51 |
| WY4422-100FD | | | | 100 | 95 | 90 | 120 | 77 | 92 | 4,5 | 9,5 | 7 | M3,5 | 1,85 |
| WY4422-150FD | | | | 150 | 95 | 90 | 140 | 77 | 107 | 4,5 | 9,5 | 7 | M3,5 | 2,50 |
| WY4422-200FD | | | | 200 | 120 | 110 | 130 | 100 | 93 | 5,5 | 10,5 | 7 | M4 | 2,79 |
| WY4422-280FD | | | | 280 | 120 | 110 | 147 | 100 | 110 | 5,5 | 10,5 | 10 | M4 | 3,43 |
| WY4422-350FD | | | | 350 | 120 | 110 | 157 | 100 | 120 | 5,5 | 10,5 | 10 | M4 | 3,80 |

※Others option

● Dimension



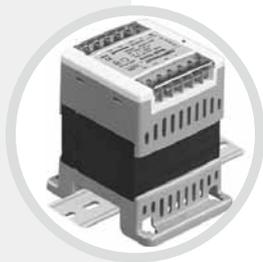
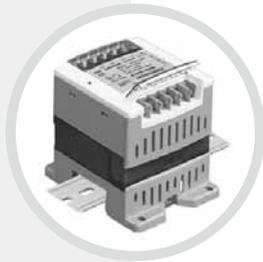
● Terminal



60~200VA : Max 6, Min 3.5
280~350VA : Max 9, Min 4

DIN-Rail 트랜스포머

DIN-Rail Transformer



DIN-Rail Type Transformer

- WY2224-TD Series
- WY2211-TD Series
- WY2222-TD Series
- WY3811-TD Series
- WY3822-TD Series
- WY4411-TD Series
- WY4422-TD Series
- WYAU2211-TD Series
- WYAU3822-TD Series
- WYAU4422-TD Series



경고

- DIN-Rail에 본 제품을 취부 시에는 가급적 철제 DIN-Rail을 사용 바랍니다.
- 장거리 운송을 요하는 장비에 본 제품을 적용 시에는 볼트 체결 취부를 권장합니다.



Warning

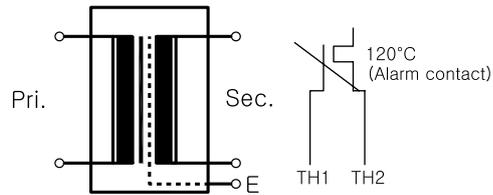
- We recommended preferably steel material Din - Rail if mounting Din-Rail this good.
- We recommended bolt mounting for using equipment of required long distance shipping.



단상 복권형으로 AC 220V 이며 출력은 AC 24V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 220V and output is AC 24V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

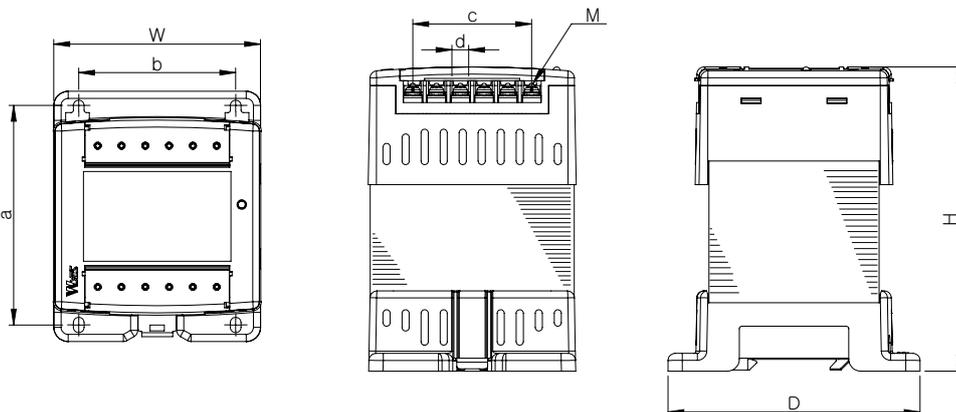


● Specifications

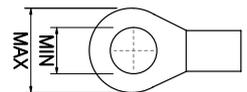
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) | |
|------------------------|------------------|----------------|----------|------------|-----------------|-----|-----|------|-----|----|----|------|-------------|-----|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | | |
| · 220V Line → 24V Line | | | | | | | | | | | | | | |
| WY2224-10TD | DIN RAIL & PANEL | 220 | 0-24-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 | |
| WY2224-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 | |
| WY2224-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 | |
| WY2224-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 | |
| WY2224-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 | |
| WY2224-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 | |
| WY2224-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 | |
| WY2224-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 | |
| WY2224-280TD | | | | 0-24, 0-24 | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY2224-350TD | | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※Others option

● Dimension



● Terminal



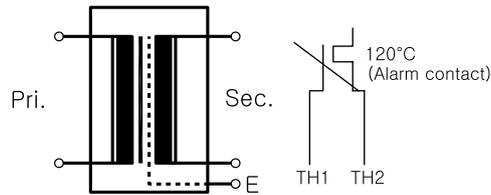
10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4



단상 복권형으로 AC 220V 이며 출력은 AC 110V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 220V and output is AC 110V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

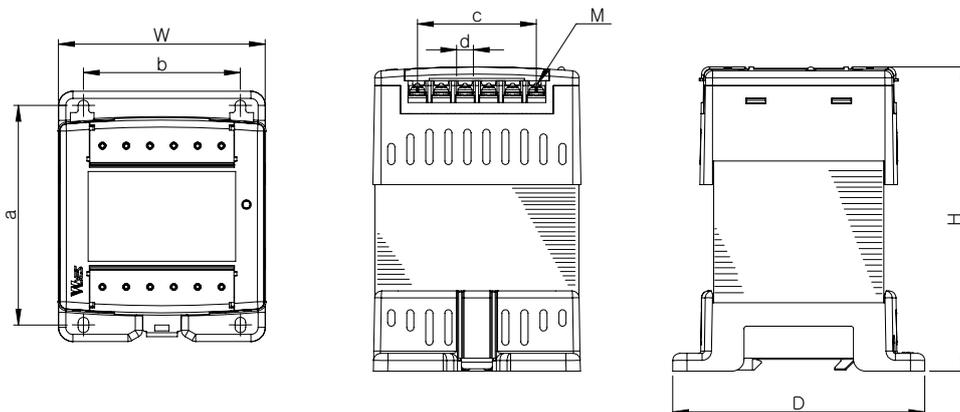


● Specifications

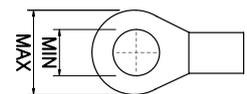
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 220V Line → 110V Line | | | | | | | | | | | | | |
| WY2211-10TD | DIN RAIL & PANEL | 220 | 0-110-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY2211-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY2211-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY2211-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY2211-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY2211-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY2211-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY2211-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY2211-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY2211-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※Others option

● Dimension



● Terminal



10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4

노이즈컷트랜스

REACTOR 리액터

TRANS. 트랜스포머

A.H.F. 아성형필터

P.H.F. 수성형필터

M.S.F. 마이크로서지필터

Z.H.F. 영상고조파필터

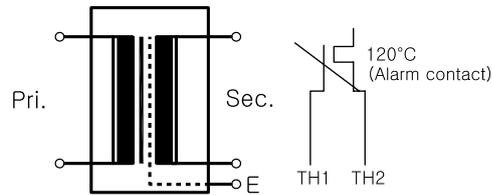
S.P.D. 서지보호기



단상 복권형으로 AC 220V 이며 출력은 AC 220V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 220V and output is AC 220V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

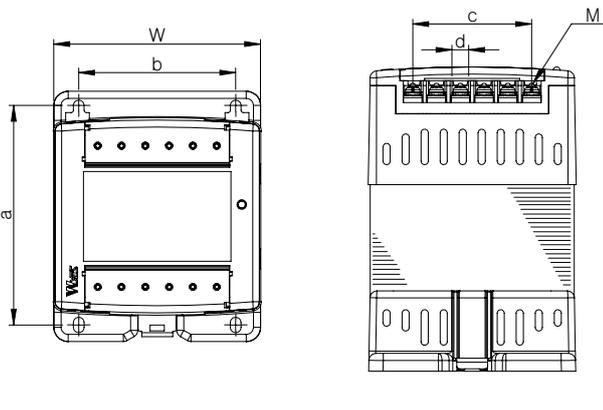


● Specifications

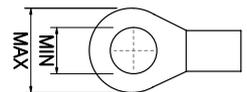
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 220V Line → 220V Line | | | | | | | | | | | | | |
| WY2222-10TD | DIN RAIL & PANEL | 220 | 0-220-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY2222-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY2222-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY2222-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY2222-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY2222-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY2222-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY2222-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY2222-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY2222-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※Others option

● Dimension



● Terminal



10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4

DIN - Rail TRANSFORMER

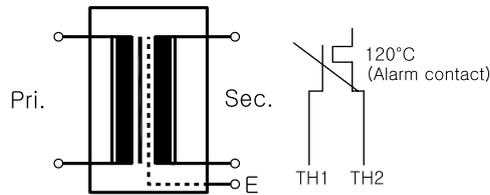
WY3811-TD Series



단상 복권형으로 AC 380V 이며 출력은 AC 110V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 380V and output is AC 110V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

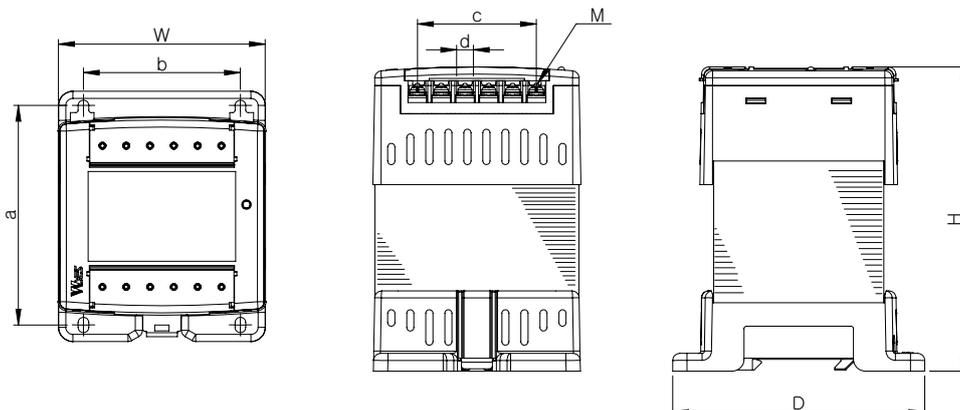


● Specifications

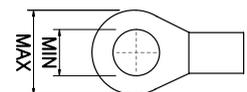
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 380V Line → 110V Line | | | | | | | | | | | | | |
| WY3811-10TD | DIN RAIL & PANEL | 380 | 0-110-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY3811-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY3811-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY3811-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY3811-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY3811-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY3811-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY3811-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY3811-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY3811-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※Others option

● Dimension



● Terminal



10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4

노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

AHF

PHF

MSF 마이크로서지필터

ZHF 영상고조파필터

SPD 서지보호기

DIN - Rail TRANSFORMER

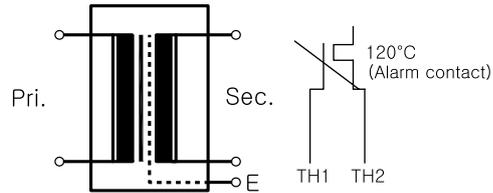
WY3822-TD Series



단상 복권형으로 AC 380V 이며 출력은 AC 220V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 380V and output is AC 220V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

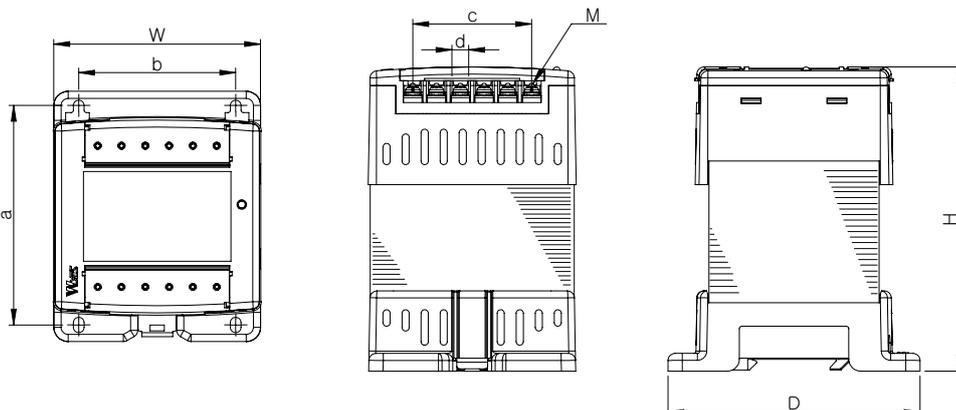


● Specifications

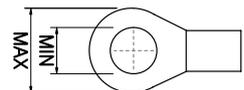
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 380V Line → 220V Line | | | | | | | | | | | | | |
| WY3822-10TD | DIN RAIL & PANEL | 380 | 0-220-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY3822-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY3822-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY3822-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY3822-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY3822-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY3822-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY3822-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY3822-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY3822-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※ Others option

● Dimension



● Terminal



10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4

DIN - Rail TRANSFORMER

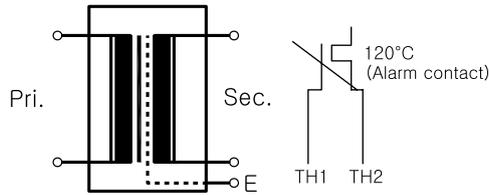
WY4411-TD Series



단상 복권형으로 AC 440V 이며 출력은 AC 110V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 380V, 440V and output is AC 110V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

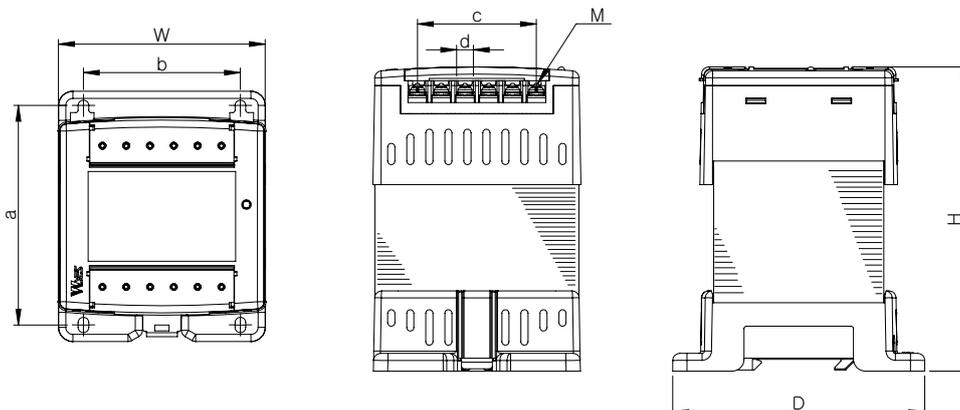


● Specifications

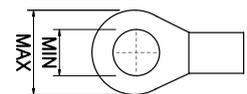
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 440V Line → 110V Line | | | | | | | | | | | | | |
| WY4411-10TD | DIN RAIL & PANEL | 440 | 0-110-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY4411-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY4411-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY4411-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY4411-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY4411-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY4411-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY4411-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY4411-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY4411-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※Others option

● Dimension



● Terminal



10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4

노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANS.

아동용 변압기 A.H.F

수용용 변압기 P.H.F

마이크로 서지 필터 M.S.F

영상고조파 필터 Z.H.F

서지보호기 S.P.D

DIN - Rail TRANSFORMER

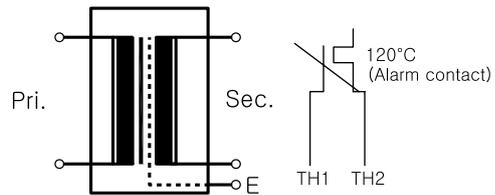
WY4422-TD Series



단상 복권형으로 AC 440V 이며 출력은 AC 220V로 10VA부터 350VA까지 규격화 하였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

Input voltage of single phase is AC 440V and output is AC 220V. Product is standardized from 10VA to 350VA. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

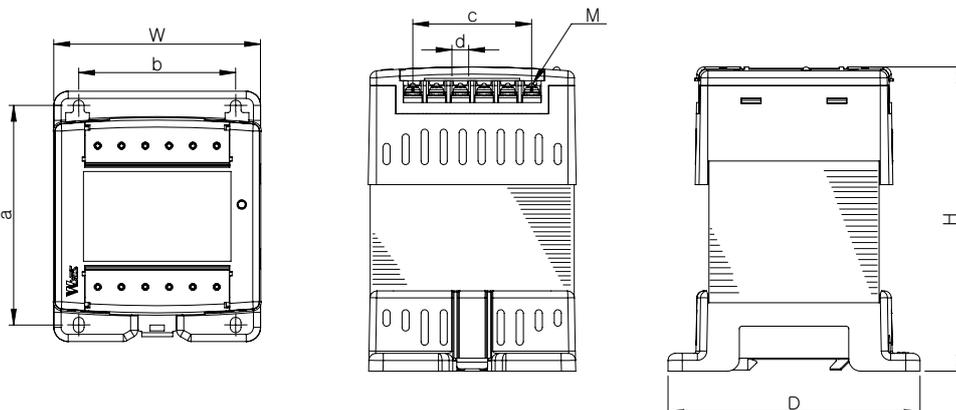


● Specifications

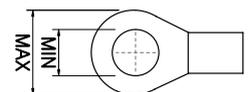
| MODEL NO. | TYPE | SPECIFICATIONS | | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|-------------------------|------------------|----------------|-----------|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | M | |
| · 440V Line → 220V Line | | | | | | | | | | | | | |
| WY4422-10TD | DIN RAIL & PANEL | 440 | 0-220-(E) | 10 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY4422-20TD | | | | 20 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY4422-30TD | | | | 30 | 68,8 | 97 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,76 |
| WY4422-40TD | | | | 40 | 68,8 | 112 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,89 |
| WY4422-60TD | | | | 60 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WY4422-100TD | | | | 100 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WY4422-150TD | | | | 150 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WY4422-200TD | | | | 200 | 115 | 118 | 130 | 116 | 91 | 65 | 10 | M4 | 4 |
| WY4422-280TD | | | | 280 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |
| WY4422-350TD | | | | 350 | 115 | 148 | 130 | 116 | 91 | 65 | 10 | M4 | 5,6 |

※ Others option

● Dimension



● Terminal



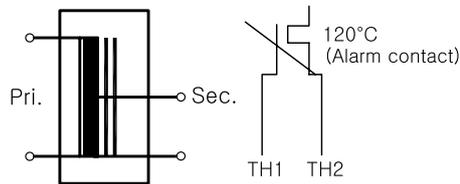
10~150VA : Max 6, Min 3.5
200~350VA : Max 9, Min 4



단상단권형으로 입력과 출력 전압이 한권선으로 전압탭을 인출하여 크기가 작고 가격이 저렴한 반면 사용이 제한되어 Lamp, Heater, Motor, Fan부하 등 단순 부하에 사용되거나 콘트롤 제어 위치제어 PLC, 각종 Noise에 영향을 받는 제품 사용시에는 오동작 우려가 있으니 신중하게 고려 하시기 바랍니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

It is single phase and auto transformer that the primary and secondary windings are connected. So the size is small and the price is cheap but it used simple load as Lamp, Heater, Motor and Fan. Please consider carefully because it may malfunction when use to noise sensitive appliance to various controllers, position controller, PLC Etc. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

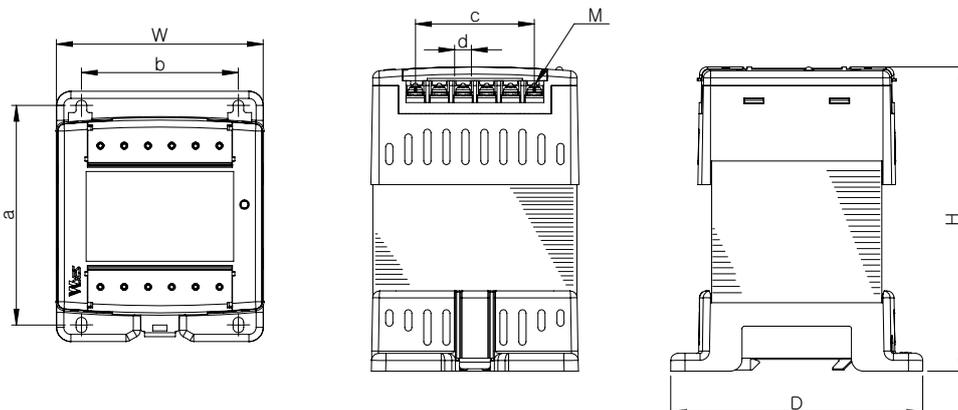


● Specifications

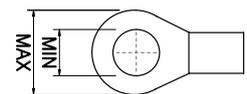
| MODEL NO. | TYPE | SPECIFICATIONS | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|----------------|------------------|---|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | | | W | H | D | a | b | c | d | M | |
| WYAU2211-20TD | DIN RAIL & PANEL | Pri(V) / Sec(V) 0-110-220 (0V : COMMON) | 20 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 85 |
| WYAU2211-30TD | | | 30 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,8 |
| WYAU2211-50TD | | | 50 | 68,8 | 88 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,9 |
| WYAU2211-100TD | | | 100 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WYAU2211-200TD | | | 200 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WYAU2211-300TD | | | 300 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WYAU2211-500TD | | | 500 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |

※Others option

● Dimension



● Terminal



20~300VA : Max 6, Min 3.5
500VA : Max 9, Min 4

노이즈
NCT
트랜스

리액터
REACTOR

트랜스포머
TRANS.

아동
AHF

수동
PHF

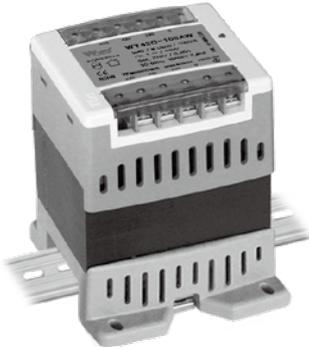
마이크로
MSF

영상
ZHF

서지
SPD

DIN - Rail TRANSFORMER

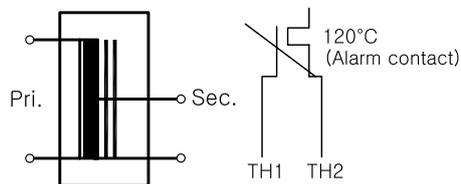
WYAU3822-TD Series



단상단권형으로 입력과 출력 전압이 한권선으로 전압탭을 인출하여 크기가 작고 가격이 저렴한 반면 사용이 제한되어 Lamp, Heater, Motor, Fan부하 등 단순 부하에 사용되나 콘트를 제어 위치제어 PLC, 각종 Noise에 영향을 받는 제품 사용시에는 오동작 우려가 있으니 신중하게 고려 하시기 바랍니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다

It is single phase and auto transformer that the primary and secondary windings are connected. So the size is small and the price is cheap but it used simple load as Lamp, Heater, Motor and Fan. Please consider carefully because it may malfunction when use to noise sensitive appliance to various controllers, position controller, PLC Etc. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

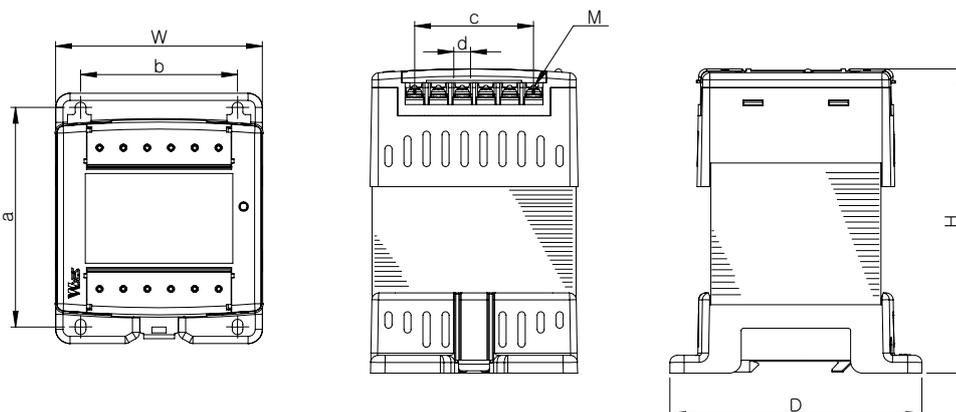


● Specifications

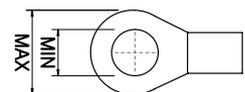
| MODEL NO. | TYPE | SPECIFICATIONS | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|----------------|------------------|---|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | | | W | H | D | a | b | c | d | M | |
| WYAU3822-20TD | DIN RAIL & PANEL | Pri(V) / Sec(V) 0-220-380 (0V : COMMON) | 20 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 85 |
| WYAU3822-30TD | | | 30 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,8 |
| WYAU3822-50TD | | | 50 | 68,8 | 88 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,9 |
| WYAU3822-100TD | | | 100 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WYAU3822-200TD | | | 200 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WYAU3822-300TD | | | 300 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WYAU3822-500TD | | | 500 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |

※Others option

● Dimension



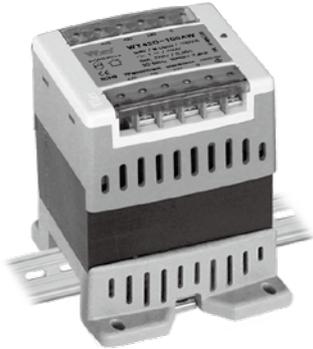
● Terminal



20~300VA : Max 6, Min 3.5
500VA : Max 9, Min 4

DIN - Rail TRANSFORMER

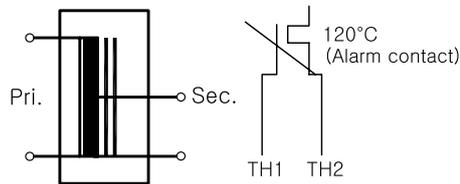
WYAU4422-TD Series



단상단권형으로 입력과 출력 전압이 한권선으로 전압탭을 인출하여 크기가 작고 가격이 저렴한 반면 사용이 제한되어 Lamp, Heater, Motor, Fan부하 등 단순 부하에 사용되나 콘트를 제어 위치제어 PLC, 각종 Noise에 영향을 받는 제품 사용시에는 오동작 우려가 있으니 신중하게 고려하시기 바랍니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다. DIN Rail 전용(Bolt 취부 겸용)으로 DIN Rail에 손쉽게 장착 할 수 있습니다.

It is single phase and auto transformer that the primary and secondary windings are connected. So the size is small and the price is cheap but it used simple load as Lamp, Heater, Motor and Fan. Please consider carefully because it may malfunction when use to noise sensitive appliance to various controllers, position controller, PLC Etc. The AC input voltage is applied, the power indicator LED operates in consideration of the safety of the consumer. It is easily mounted on DIN Rail.

• Circuit Diagram

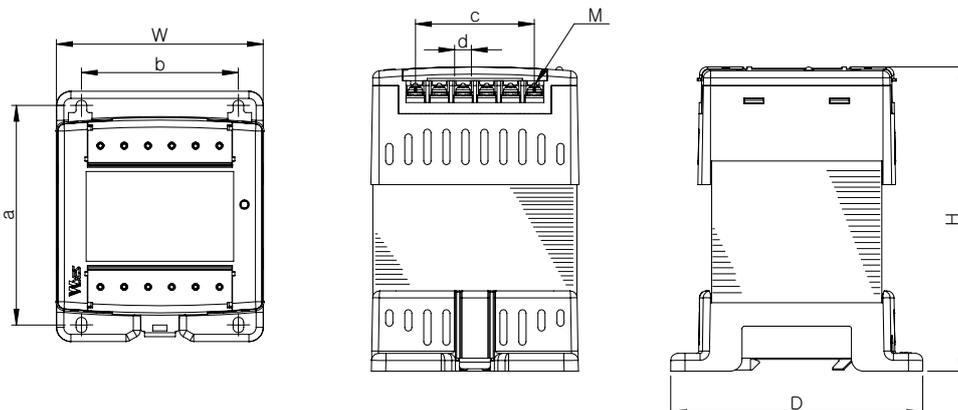


● Specifications

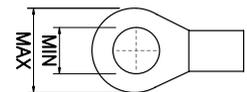
| MODEL NO. | TYPE | SPECIFICATIONS | CAPA. (VA) | DIMENSIONS (mm) | | | | | | | | WEIGHT (kg) |
|----------------|------------------|---|------------|-----------------|-----|-----|------|----|----|----|------|-------------|
| | | | | W | H | D | a | b | c | d | M | |
| WYAU4422-20TD | DIN RAIL & PANEL | Pri(V) / Sec(V) 0-220-440 (0V : COMMON) | 20 | 68,8 | 74 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 85 |
| WYAU4422-30TD | | | 30 | 68,8 | 85 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,8 |
| WYAU4422-50TD | | | 50 | 68,8 | 88 | 97 | 76,5 | 50 | 30 | 7 | M3,5 | 0,9 |
| WYAU4422-100TD | | | 100 | 87 | 99 | 106 | 94 | 66 | 50 | 7 | M3,5 | 1,8 |
| WYAU4422-200TD | | | 200 | 87 | 114 | 106 | 94 | 66 | 50 | 7 | M3,5 | 2,4 |
| WYAU4422-300TD | | | 300 | 87 | 129 | 106 | 94 | 66 | 50 | 7 | M3,5 | 3 |
| WYAU4422-500TD | | | 500 | 115 | 135 | 130 | 116 | 91 | 65 | 10 | M4 | 5 |

※Others option

● Dimension



● Terminal



20~300VA : Max 6, Min 3.5
500VA : Max 9, Min 4

노이즈컷트랜스

리액터

트랜스포머

아동안전용 변압기

수용용 변압기

마이크로 서지 필터

영상고조파 필터

서지보호기

경제형 트랜스포머

Single Phase Isolating Transformer



경제형 트랜스포머 General Type Transformer

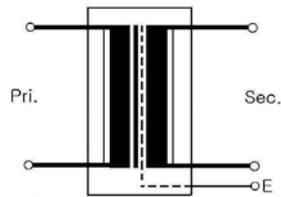
- WY2224-AP Series
- WY2211-A Series
- WY3822-AW Series
- WY4422-AW Series



단상 복권형으로 입력 AC 220V 출력 AC 24V로, 전압 인가시 LED가 동작하여 전원의 통전상태 유,무가 표시되며 전기중 CE인증을 받은 제품으로 신뢰성과 안전성이 확보된 제품으로 경쟁력을 위하여 단일 탭(tap)으로 구성되어있는 경제형 트랜스포머 입니다.

This is of a 1P isolation transformer with AC 220V input and AC 24V output, has an LED working when voltage is applied to display whether power is energized or not, was CE-certified for all models, has secured reliability and safety, and is composed of a single tap for competitiveness to be an general transformer.

• Circuit Diagram

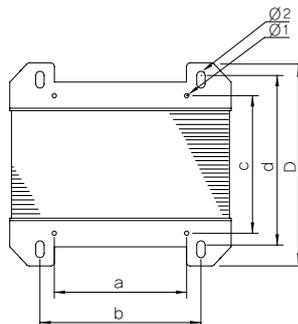
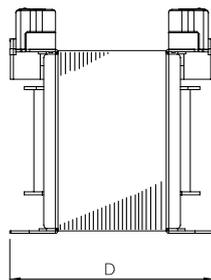
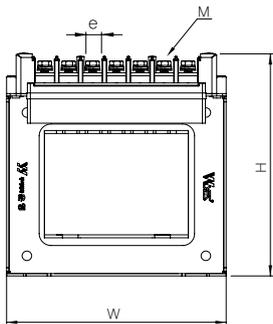


● Specifications

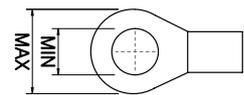
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------|------|----------------|----------|------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|--------|-----|-------------|
| | | PRI(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 24V SERIES | | | | | | | | | | | | | | | | | |
| WY2224-40AP | WT | 0-220 | 0-24-(E) | 40 | 1,6 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY2224-60AP | | | | 60 | 2,5 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY2224-80AP | | | | 80 | 3,3 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY2224-100AP | | | | 100 | 4 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY2224-150AP | | | | 150 | 6 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY2224-200AP | | | | 200 | 8 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY2224-300AP | | | | 300 | 12,5 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY2224-500AP | | | | 500 | 20 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY2224-750AP | | | | 750 | 30 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø3,6 | 6 X 13 | 4 | 10,70 |
| WY2224-1KAP | | | | 1K | 40 | 160 | 160 | 157 | 96 | 114 | 102,5 | 135 | 10 | Ø3,6 | 6 X 14 | 4 | 12,30 |
| WY2224-1,5KAP | | | | 1,5K | 60 | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø3,6 | 7 X 14 | 6 | 17,00 |
| WY2224-2KAP | | | | 2K | 80 | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø3,6 | 7 X 13 | 6 | 20,10 |

● Dimension

• WT Type



● Terminal



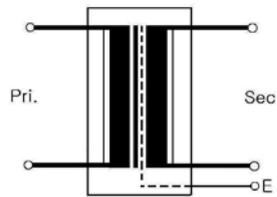
40VA~150VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~2kVA : Max 15, Min 6



단상 복권형으로 입력 AC 220V 출력 AC 110V로, 전압 인가시 LED가 동작하여 전원의 통전상태 유.무가 표시되며 전기종 CE인증을 받은 제품으로 신뢰성과 안전성이 확보된 제품으로 경쟁력을 위하여 단일 탭(tap)으로 구성되어있는 경제형 트랜스포머 입니다.

This is of a 1P isolation transformer with AC 220V input and AC 110V output, has an LED working when voltage is applied to display whether power is energized or not, was CE-certified for all models, has secured reliability and safety, and is composed of a single tap for competitiveness to be a general transformer.

• Circuit Diagram

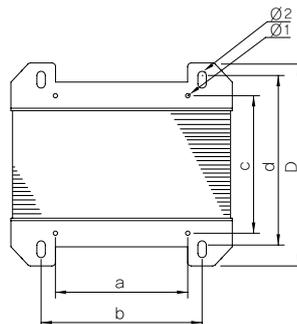
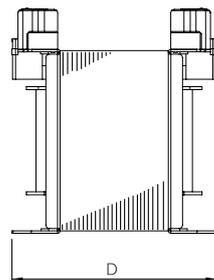
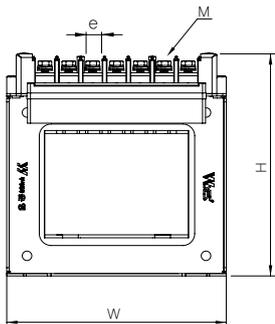


● Specifications

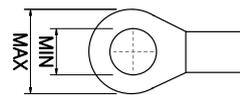
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|----------------|------|----------------|-----------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|---------|-----|-------------|
| | | PRI. (V) | SEC. (V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| WY2211 - 40A | WT | 0-220 | 0-110-(E) | 40 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY2211 - 60A | | | | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY2211 - 80A | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY2211 - 100A | | | | 100 | 98 | 106 | 105 | 54 | 72 | 60 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY2211 - 150A | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY2211 - 200A | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY2211 - 300A | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY2211 - 500A | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY2211 - 750A | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY2211 - 1KA | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY2211 - 1,5KA | | | | 1,5K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø4,3 | 10 X 30 | 6 | 16,50 |
| WY2211 - 2KA | | | | 2K | 185 | 188 | 171 | 110 | 134 | | 143 | 16 | Ø4,3 | 10 X 30 | 6 | 20,10 |

● Dimension

• WT Type



● Terminal



40VA~150VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~2kVA : Max 15, Min 6

노이즈컷 트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

AHF

수용용필터 PHF

마이크로서지필터 MSF

영상고조파필터 ZHF

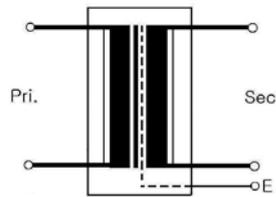
서지보호기 SPD



단상 복권형으로 입력 AC 380V 출력 AC 220V로, 전압 인가시 LED가 동작하여 전원의 통전상태 유·무가 표시되며 전기중 CE인증을 받은 제품으로 신뢰성과 안전성이 확보된 제품으로 경쟁력을 위하여 단일 탭(tap)으로 구성되어 있는 경제형 트랜스포머 입니다.

This is of a 1P isolation transformer with AC 380V input and AC 220V output, has an LED working when voltage is applied to display whether power is energized or not, was CE-certified for all models, has secured reliability and safety, and is composed of a single tap for competitiveness to be an general transformer.

• Circuit Diagram

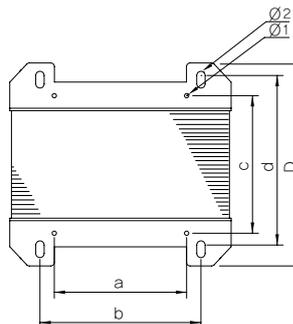
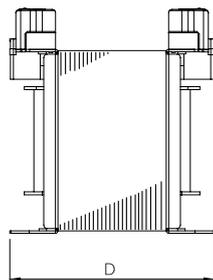
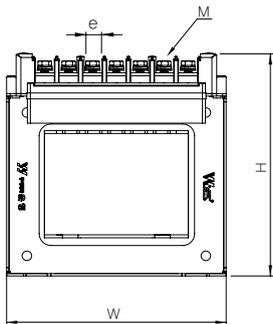


● Specifications

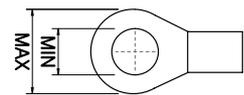
| MODEL NO. | TYPE | SPECIFICATIONS | | | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------|------|----------------|-----------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | VA | W | H | D | a | b | c | d | e | (a,c)Ø1 | Ø2 | M | |
| WY3822-40AW | WT | 0-380 | 0-220-(E) | 40 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY3822-60AW | | | | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY3822-80AW | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY3822-100AW | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY3822-150AW | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY3822-200AW | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY3822-300AW | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY3822-500AW | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY3822-750AW | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY3822-1KAW | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY3822-1,5KAW | | | | 1,5K | 185 | 188 | 151 | 110 | 135 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY3822-2KAW | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |

● Dimension

• WT Type



● Terminal



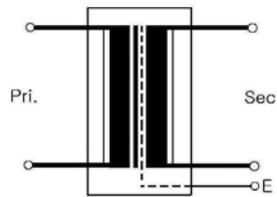
40VA~150VA : Max 6, Min 3.5
 200VA~1kVA : Max 9, Min 4
 1.5~2kVA : Max 15, Min 6



단상 복권형으로 입력 AC 440V 출력 AC 220V로, 전압 인가시 LED가 동작하여 전원의 통전상태 유·무가 표시되며 전기중 CE인증을 받은 제품으로 신뢰성과 안전성이 확보된 제품으로 경쟁력을 위하여 단일 탭(tap)으로 구성되어 있는 경제형 트랜스포머 입니다.

This is of a 1P isolation transformer with AC 440V input and AC 220V output, has an LED working when voltage is applied to display whether power is energized or not, was CE-certified for all models, has secured reliability and safety, and is composed of a single tap for competitiveness to be an general transformer.

• Circuit Diagram

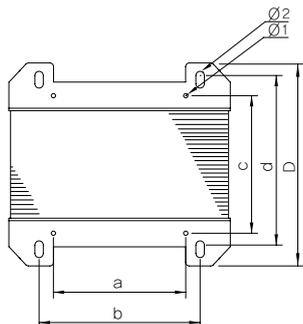
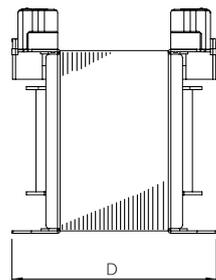
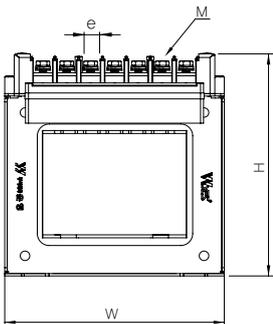


● Specifications

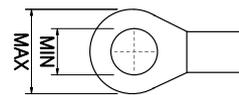
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------|------|----------------|----------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a,c)Ø1 | Ø2 | M | |
| WY4422-40AW | WT | 0-440 | 0-220(E) | 40 | 79 | 89 | 83 | 42 | 59 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY4422-60AW | | | | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY4422-80AW | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY4422-100AW | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY4422-150AW | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY4422-200AW | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY4422-300AW | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY4422-500AW | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY4422-750AW | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY4422-1KAW | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY4422-1,5KAW | | | | 1,5K | 185 | 188 | 151 | 110 | 135 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY4422-2KAW | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |

● Dimension

• WT Type



● Terminal



40VA~150VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4
1.5~2kVA : Max 15, Min 6

노이즈컷 트랜스

REACTOR 리액터

TRANSFORMER 트랜스포머

AHP

PHF

MSF 마이크로 서지 필터

ZHF 영상고주파 필터

SPD 서지보호기

1Ø 복권형

1Ø Isolation Transformer

110V, 220V, 380V, 440V, 500V Line



- WYPM Series
- WYSH Series
- WYTB-AP Series
- WYEW-AP Series
- WYEW-HP Series
- WYHP-AP Series
- WY21-A Series
- WY21-AO Series
- WY21-AE Series
- WY21-A2 Series
- WY11-AF Series
- WY22-AF Series
- WY41-A Series
- WY42-AW Series
- WY42-AO Series
- WY42-A2 Series
- WY42-DE Series
- WY52-AW Series

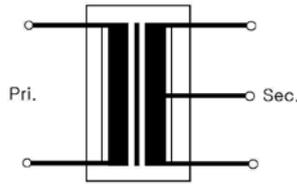
WYPM Series (복권)

단상 복권형으로 입력전압은 AC110/220V 이고 출력측은 중간 Tap 방식이며 Printed - Circuit용 (P,C,B)으로 제작 되었으며 1,2차간 권선분리형 으로 1, 2차 절연이 확보되어 안전성 및 Noise에 영향이 없도록 제작 되었습니다.

This transformer are 110/220v input voltage as single phase isolation transformer and output winding is center tap type. Also, this transformer is operation inserted on printed circuit board (PCB) and safety is very high by galvanic isolation between primary and secondary winding so that there not be effect of noise.



• Circuit Diagram

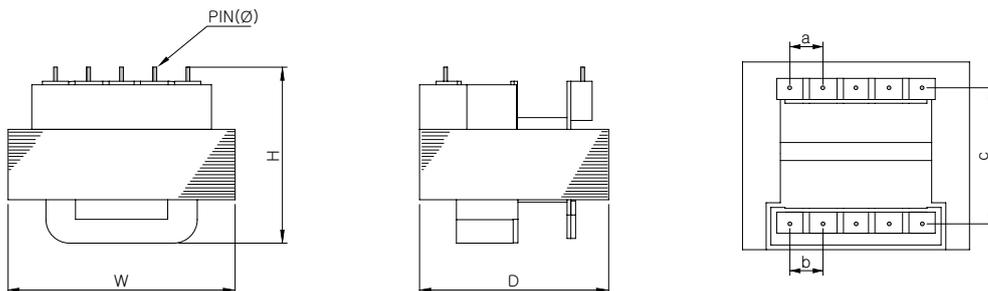


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | mA | DIMENSIONS (m/m) | | | | | | | WEIGHT (kg) |
|-----------|------|----------------|----------|-----|-----|------------------|----|----|-----|-----|----|--------|-------------|
| | | PRI. (V) | SEC. (V) | | | W | H | D | a | b | c | PIN(Ø) | |
| WYPM-0608 | WP | 0-110-220 | 6-0-6 | 1 | 80 | 29 | 32 | 27 | 6 | 6 | 20 | 0,6 | 0,10 |
| WYPM-0612 | | | | 1,5 | 120 | 36 | 29 | 37 | 7,5 | 7,5 | 25 | 0,8 | 0,14 |
| WYPM-0633 | | | | 4 | 330 | 42 | 47 | 34 | 6 | 6 | 44 | 1,0 | 0,28 |
| WYPM-0906 | | | 9-0-9 | 1 | 60 | 29 | 32 | 27 | 6 | 6 | 20 | 0,6 | 0,10 |
| WYPM-0908 | | | | 1,5 | 80 | 36 | 29 | 37 | 7,5 | 7,5 | 25 | 0,8 | 0,14 |
| WYPM-0922 | | | | 4 | 220 | 42 | 47 | 34 | 6 | 6 | 24 | 1,0 | 0,28 |
| WYPM-1204 | | | 12-0-12 | 1 | 40 | 29 | 32 | 27 | 6 | 6 | 20 | 0,6 | 0,10 |
| WYPM-1206 | | | | 1,5 | 60 | 36 | 29 | 37 | 7,5 | 7,5 | 25 | 0,8 | 0,14 |
| WYPM-1216 | | | | 4 | 160 | 42 | 47 | 34 | 6 | 6 | 24 | 1,0 | 0,28 |
| WYPM-1503 | | | 15-0-15 | 1 | 30 | 29 | 32 | 27 | 6 | 6 | 20 | 0,6 | 0,10 |
| WYPM-1505 | | | | 1,5 | 50 | 36 | 29 | 37 | 7,5 | 7,5 | 25 | 0,8 | 0,14 |
| WYPM-1513 | | | | 4 | 130 | 42 | 47 | 34 | 6 | 6 | 24 | 1,0 | 0,28 |
| WYPM-1802 | | | 18-0-18 | 1 | 20 | 29 | 32 | 27 | 6 | 6 | 20 | 0,6 | 0,10 |
| WYPM-1804 | | | | 1,5 | 40 | 36 | 29 | 37 | 7,5 | 7,5 | 25 | 0,8 | 0,14 |
| WYPM-1811 | | | | 4 | 110 | 42 | 47 | 34 | 6 | 6 | 24 | 1,0 | 0,28 |

● Dimension

• WP Type



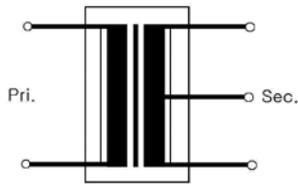
WYSH Series (복권)

단상 복권형 입력전압은 AC 110V/220V 이고 출력측은 전압, 전류별로 세분화 되어 납땜 형식으로 제작되어 있으며 6.3V부터 20V까지 사용 할 수 있도록 되어 있습니다.

This transformer are 110/220v input voltage as single phase isolation transformer and output is to be classified by voltage and current can use to from 6.3V to 20V in soldering terminal.



• Circuit Diagram

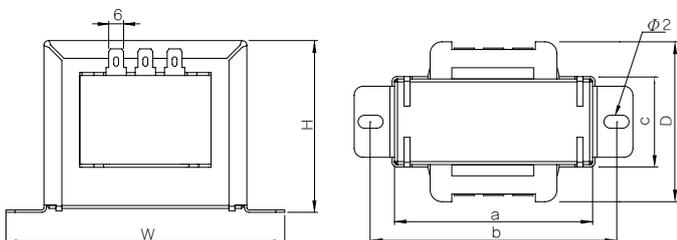


● Specifications

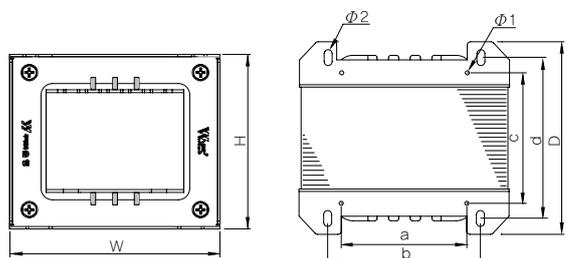
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | WEIGHT (kg) |
|-------------------------------|------|----------------|--------------------------------|-----|------|------------------|----|-----|----|----|----|----|-------------|-----------|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | (a,c) φ1 | Ø2 | |
| • 6.3V SERIES | | | | | | | | | | | | | | | |
| WYSH - 6305 | WB | 0-110-220 | 0-5-6.3 | 3 | 0.5 | 62 | 36 | 35 | 43 | 52 | 16 | - | - | 3.5 X 5 | 0.185 |
| WYSH - 631 | | | | 5 | 0.8 | 70 | 44 | 38 | 60 | 60 | 19 | - | - | 4 X 6 | 0.28 |
| WYSH - 632 | | | | 10 | 1.6 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4.5 X 7 | 0.41 |
| WYSH - 633 | | | | 25 | 4 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0.78 |
| WYSH - 635 | | | | 40 | 6.3 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4.5 X 6.5 | 1.30 |
| • 15V SERIES (6V X 2) | | | | | | | | | | | | | | | |
| WYSH - 1502 | WB | 0-110-220 | 0-6-9 -12-15 (6V X 2) | 3 | 0.2 | 62 | 36 | 35 | 43 | 52 | 16 | - | - | 3.5 X 5 | 0.185 |
| WYSH - 1503 | | | | 5 | 0.3 | 70 | 44 | 38 | 50 | 60 | 19 | - | - | 4 X 6 | 0.28 |
| WYSH - 1506 | | | | 10 | 0.66 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4.5 X 7 | 0.41 |
| WYSH - 1516 | | | | 25 | 1.66 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0.78 |
| WYSH - 1525 | | | | 40 | 2.66 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4.5 X 6.5 | 1.30 |
| WYSH - 155 | WO | | | 80 | 5.3 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | M4 | 5 X 12 | 1.98 |
| WYSH - 1566 | | | | 100 | 6.66 | 99 | 95 | 105 | 46 | 64 | 63 | 85 | M4 | 5 X 12 | 2.78 |
| • 20V SERIES (10V X 2) | | | | | | | | | | | | | | | |
| WYSH - 2002 | WB | 0-110-220 | 0-10-16 -18-20 (10V X 2) | 3 | 0.15 | 62 | 35 | 35 | 43 | 52 | 16 | - | - | 3.5 X 5 | 0.185 |
| WYSH - 2003 | | | | 5 | 0.25 | 70 | 44 | 38 | 50 | 60 | 19 | - | - | 4 X 6 | 0.28 |
| WYSH - 2005 | | | | 10 | 0.5 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4.5 X 7 | 0.45 |
| WYSH - 201 | | | | 25 | 1.25 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0.78 |
| WYSH - 202 | | | | 40 | 2 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4.5 X 6.5 | 1.30 |

● Dimension

• WB Type



• WO Type



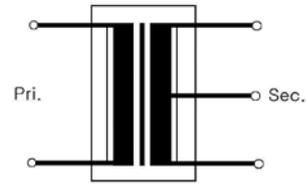
WYSH Series (복권)



WB Type

WO Type

• Circuit Diagram

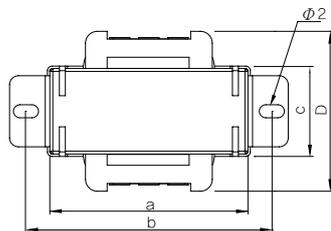
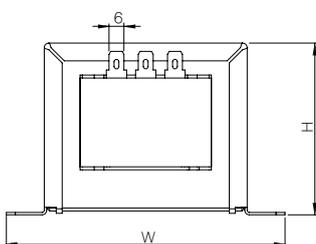


● Specifications

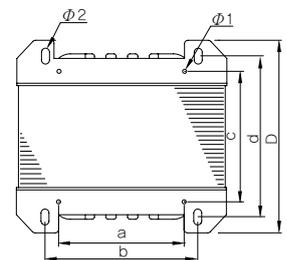
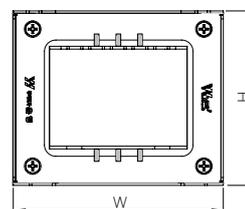
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | | WEIGHT (kg) |
|-------------------------------|------|----------------|--------------------------------|----|------|------------------|----|-----|-----|----|------------|--------|-----------------|------------|--------|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | $\phi_{1(a,c)}$ | ϕ_2 | | |
| • 26V SERIES (12V X 2) | | | | | | | | | | | | | | | | |
| WYSH-2601 | WB | 0-110-220 | 0-12-22 -24-26 (12V X 2) | 3 | 0,1 | 62 | 36 | 35 | 43 | 52 | 16 | - | - | 3,5 X 5 | 0,185 | |
| WYSH-2602 | | | | 5 | 0,19 | 70 | 44 | 38 | 60 | 60 | 19 | - | - | 4 X 6 | 0,28 | |
| WYSH-2603 | | | | 10 | 0,3 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,41 | |
| WYSH-261 | | | | 25 | 1 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 | |
| WYSH-262 | | | | 40 | 1,53 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4,5 X 6,5 | 1,30 | |
| WYSH-263 | | | | WO | 80 | 3 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | $\phi 3,6$ | 5 X 12 | 1,98 |
| • 30V SERIES (15V X 2) | | | | | | | | | | | | | | | | |
| WYSH-3001 | WB | 0-110-220 | 0-15-24 -27-30 (15V X 2) | 3 | 0,1 | 62 | 36 | 35 | 43 | 52 | 16 | - | - | 3,5 X 5 | 0,185 | |
| WYSH-3002 | | | | 5 | 0,16 | 70 | 44 | 38 | 60 | 60 | 19 | - | - | 4 X 6 | 0,28 | |
| WYSH-3003 | | | | 10 | 0,3 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 | |
| WYSH-3005 | | | | 25 | 0,83 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 | |
| WYSH-301 | | | | 40 | 1,33 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4,5 X 6,5 | 1,30 | |
| WYSH-302 | | | | 80 | 2,66 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | $\phi 3,6$ | 5 X 12 | 1,98 | |
| WYSH-303 | WO | 100 | 3,33 | 99 | 85 | 105 | 46 | 64 | 63 | 85 | $\phi 3,6$ | 5 X 12 | 2,78 | | | |
| WYSH-305 | | 150 | 5 | 99 | 86 | 116 | 54 | 72 | 70 | 94 | $\phi 3,6$ | 6 X 12 | 3,23 | | | |
| • 38V SERIES (19V X 2) | | | | | | | | | | | | | | | | |
| WYSH-3801 | WB | 0-110-220 | 0-19-32 -35-38 (19V X 2) | 3 | 0,1 | 62 | 36 | 35 | 43 | 52 | 16 | - | - | 3,5 X 5 | 0,185 | |
| WYSH-3802 | | | | 5 | 0,13 | 70 | 44 | 38 | 60 | 60 | 19 | - | - | 4 X 6 | 0,28 | |
| WYSH-3803 | | | | 10 | 0,3 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 | |
| WYSH-3805 | | | | 25 | 0,65 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 | |
| WYSH-381 | | | | 40 | 1,05 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4,5 X 6,5 | 1,30 | |
| • 50V SERIES (25V X 2) | | | | | | | | | | | | | | | | |
| WYSH-5001 | WB | 0-110-220 | 0-25-40 -45-50 (25V X 2) | 5 | 0,1 | 70 | 44 | 38 | 60 | 60 | 19 | - | - | 4 X 6 | 0,28 | |
| WYSH-5002 | | | | 10 | 0,2 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 | |
| WYSH-5005 | | | | 25 | 0,5 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 | |
| WYSH-5008 | | | | 40 | 0,8 | 106 | 69 | 69 | 78 | 91 | 33 | - | - | 4,5 X 6,5 | 1,30 | |
| WYSH-501 | WO | 80 | 1,6 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | $\phi 3,6$ | 5 X 12 | 1,98 | | | |
| WYSH-502 | | 100 | 2 | 99 | 85 | 105 | 46 | 64 | 63 | 85 | $\phi 3,6$ | 5 X 12 | 2,78 | | | |

● Dimension

• WB Type



• WO Type

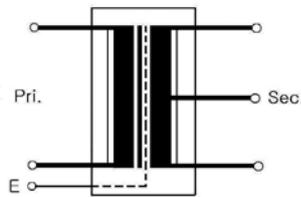




단상 복권형으로 입력 전압 AC 110V/220V 출력은 전압 전류별로 규격화 하여 소비자의 선택이 용이하게 되었으며, AC입력전원 인가시 LED가 동작되어 안전성은 물론이고 15V 시리즈부터~26V 시리즈까지 전규격 CE인증을 획득하여 신뢰성까지 확보한 제품입니다.

Input voltage of this transformer are 110/220 V as single phase isolation transformer and output is standardized by voltage and current. also, turn on LED lamp at apply input voltage for safe handling and all models acquire CE standard from 15V series to 26V series for define to reliability.

• Circuit Diagram



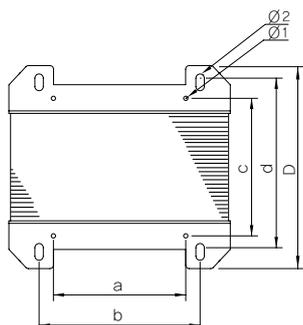
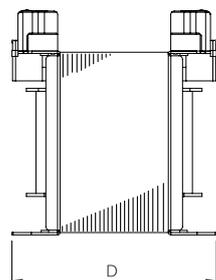
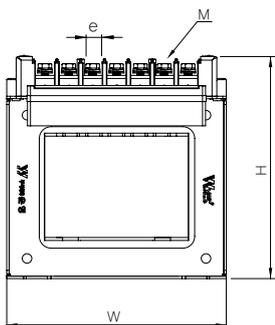
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | | | | | WEIGHT (kg) |
|---------------------|------|-------------------|------------|------|-----|------------------|-----|-----|-----|------|-------|-----|------|---------|--------|-------|-------|--|-------------|
| | | PRI(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | | | |
| • 15V SERIES | | | | | | | | | | | | | | | | | | | |
| WYTB-1540AP | WT | 0-200-220-240-(E) | 0-12-15 | 40 | 2,5 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 | | |
| WYTB-1560AP | | | | 60 | 4 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 | | |
| WYTB-1580AP | | | | 80 | 5 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 | | |
| WYTB-15100AP | | | | 100 | 7 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 | | |
| WYTB-15150AP | | | | 150 | 10 | 98 | 106 | 113 | 58 | 76 | 60 | 83 | 10 | Ø3,6 | 6 X 12 | 4 | 3,23 | | |
| WYTB-15200AP | | | | 200 | 13 | 112 | 106 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 | | |
| WYTB-15300AP | | | | 300 | 20 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 | | |
| • 26V SERIES | | | | | | | | | | | | | | | | | | | |
| WYTB-2640AP | WT | 0-200-220-240-(E) | 0-22-24-26 | 40 | 1,5 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 | | |
| WYTB-2660AP | | | | 60 | 2 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 | | |
| WYTB-2680AP | | | | 80 | 3 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,61 | | |
| WYTB-26100AP | | | | 100 | 4 | 98 | 106 | 105 | 54 | 72 | 60 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 | | |
| WYTB-26150AP | | | | 150 | 6 | 98 | 106 | 113 | 58 | 76 | 60 | 83 | 10 | Ø3,6 | 6 X 12 | 4 | 3,23 | | |
| WYTB-26200AP | | | | 200 | 8 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 | | |
| WYTB-26300AP | | | | 300 | 11 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 | | |
| WYTB-26500AP | | | 500 | 20 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 | | | |
| WYTB-26750AP | | | 750 | 30 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø3,6 | 6 X 13 | 4 | 10,70 | | | |
| WYTB-261KAP | | | 0-24-26 | 1K | 40 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø3,6 | 6 X 14 | 4 | 12,30 | | |
| WYTB-261,5KAP | | | | 1,5K | 60 | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø3,6 | 7 X 14 | 6 | 17,00 | | |
| WYTB-262KAP | | | | 2K | 80 | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø3,6 | 7 X 13 | 6 | 20,10 | | |

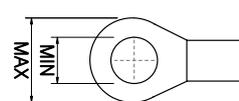
※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



40VA~100VA : Max 6, Min 3.5
 150VA~1kVA : Max 9, Min 4
 1.5~2kVA : Max 15, Min 6

노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

수동형필터 AHF

수동형필터 PHF

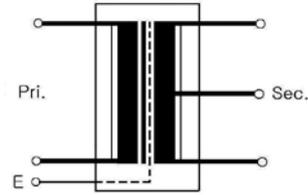
마이크로서지필터 MSF

영상고조파필터 ZHF

서지보호기 SPD



• Circuit Diagram



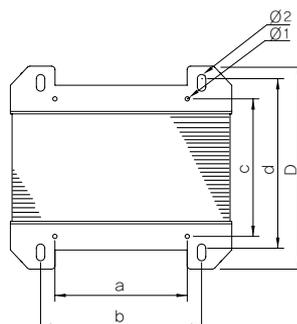
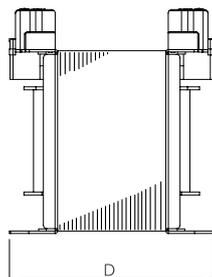
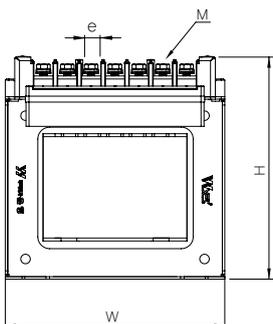
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------|------|-----------------------|-------------------|------|-----|------------------|-----|-----|-----|-----|-------|-----|----|-------------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a,c) Ø1 | Ø2 | M | |
| • 32V SERIES | | | | | | | | | | | | | | | | | |
| WYTB-3240AP | WT | 0-200-220 -240-(E) | 0-26-28 -30-32 | 40 | 1,2 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WYTB-3260AP | | | | 60 | 1,8 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYTB-3280AP | | | | 80 | 2,5 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,61 |
| WYTB-32100AP | | | | 100 | 3 | 98 | 106 | 105 | 54 | 72 | 60 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYTB-32150AP | | | | 150 | 4,5 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WYTB-32200AP | | | | 200 | 6 | 111 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WYTB-32300AP | | | | 300 | 9 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYTB-32500AP | | | | 500 | 15 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WYTB-32750AP | | | | 750 | 23 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø3,6 | 6 X 13 | 4 | 10,70 |
| WYTB-321KAP | | | | 1K | 30 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø3,6 | 6 X 14 | 4 | 12,30 |
| WYTB-321,5KAP | | | | 1,5K | 46 | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø3,6 | 7 X 14 | 6 | 17,00 |
| WYTB-322KAP | | | | 2K | 62 | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø3,6 | 7 X 13 | 6 | 20,10 |

※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



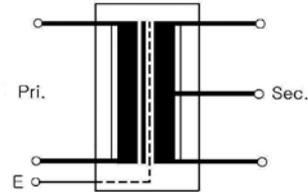
● Terminal



40VA~100VA : Max 6, Min 3.5
 150VA~1kVA : Max 9, Min 4
 1.5~2kVA : Max 15, Min 6



• Circuit Diagram



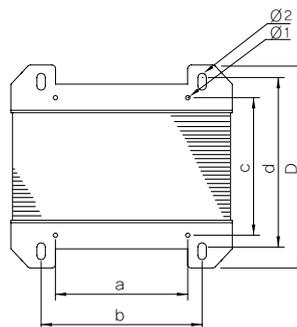
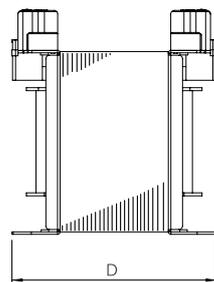
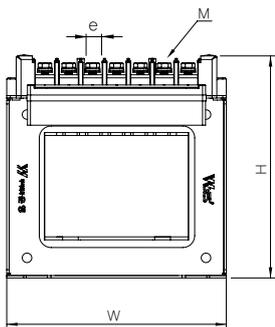
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | A | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------------|------|-----------------------|-------------------|-----|-----|------------------|-----|-----|-----|-----|-------|-----|----|---------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 36V SERIES | | | | | | | | | | | | | | | | | |
| WYTB-3640AP | WT | 0-200-220 -240-(E) | 0-24-28 -32-36 | 40 | 1,1 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WYTB-3660AP | | | | 60 | 1,6 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYTB-3680AP | | | | 80 | 2,2 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WYTB-36100AP | | | | 100 | 3 | 98 | 106 | 105 | 54 | 72 | 60 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYTB-36150AP | | | | 150 | 4,2 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WYTB-36200AP | | | | 200 | 5,5 | 111 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,6 |
| WYTB-36300AP | | | | 300 | 8,3 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYTB-36500AP | | | | 500 | 14 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,1 |
| WYTB-36750AP | | | | 750 | 20 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø3,6 | 6 X 13 | 4 | 10,70 |
| WYTB-361KAP | | | | 1K | 27 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø3,6 | 6 X 14 | 4 | 12,30 |
| WYTB-361,5KAP | | | | 1,5 | 41 | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø3,6 | 7 X 14 | 6 | 17,00 |
| WYTB-362KAP | | | | 2 | 55 | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø3,6 | 7 X 13 | 6 | 20,10 |
| • 50V SERIES | | | | | | | | | | | | | | | | | |
| WYTB-5040AP | WT | 0-200-220 -240-(E) | 0-25-40 -45-50 | 40 | 0,8 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WYTB-5060AP | | | | 60 | 1,2 | 79 | 89 | 88 | 42 | 57 | 58,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYTB-5080AP | | | | 80 | 1,6 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WYTB-50100AP | | | | 100 | 2 | 98 | 106 | 105 | 54 | 72 | 60 | 85 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYTB-50150AP | | | | 150 | 3 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WYTB-50200AP | | | | 200 | 4 | 111 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 4,32 |
| WYTB-50300AP | | | | 300 | 6 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYTB-50500AP | | | | 500 | 10 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,1 |
| WYTB-50750AP | | | | 750 | 15 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 16 | Ø3,6 | 6 X 13 | 6 | 10,7 |
| WYTB-501KAP | | | | 1K | 20 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 16 | Ø3,6 | 6 X 14 | 6 | 12,3 |

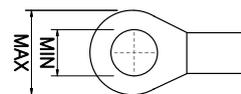
* 정격용량 : 최대전압(TAP)에서의 용량임.
* Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



40VA~100VA : Max 6, Min 3.5
150VA~1kVA : Max 9, Min 4
1.5~2kVA : Max 15, Min 6

노이즈컷트랜스
NCT
 리액터
REACTOR
 트랜스포머
TRANS.
 수동용필터
PHF
 마이크로서지필터
MSF
 영상고조파필터
ZHF
 서지보호기
SPD

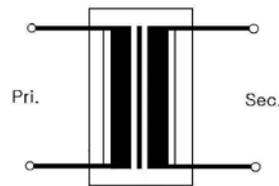
WYEW-AP/HP Series (복권)



단상 복권형으로 입력은 AC220, 380/440V이며 출력은 AC24V로 Lead-Wire 및 권선보호형 카바 사용으로 분진이 많이 발생하는 곳이나 습기가 많은 곳에서 사용하기 용이 하도록 설계된 제품입니다.

Input voltage of single phase is AC 220, 380/440V and output is AC24V The product has been designed to use easily in the place of dust and humidity with lead wire and cover to protect winding.

• Circuit Diagram

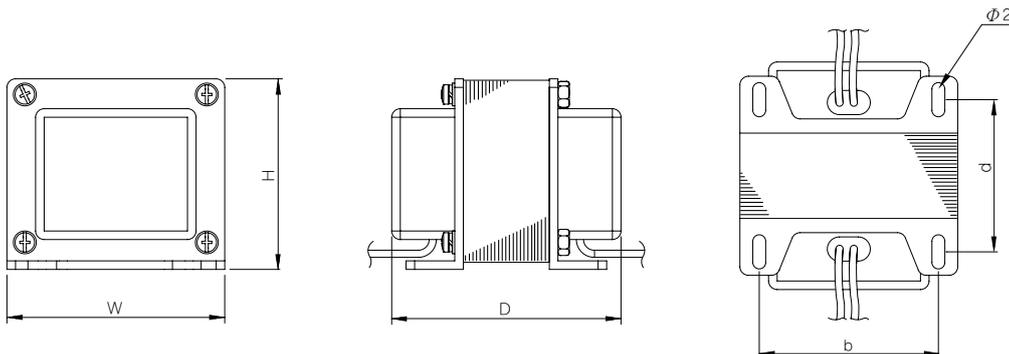


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | SUITABLE WIRE | | WEIGHT (Kg) |
|---------------------|----------|----------------|-----------|------|------------------|-----|-----|--------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | b | d | Ø2 | PRIMARY | SECONDARY | |
| • 24V SERIES | | | | | | | | | | | | | |
| WYEW-40AP | WE | 0-220 | 0-24 | 40 | 78 | 68 | 81 | 64 | 54 | 4 X 11 | 0.75mm ² | 0.75mm ² | 1.30 |
| WYEW-60AP | | | | 60 | 78 | 68 | 86 | 64 | 59 | 5 X 14 | | 0.75mm ² | 1.46 |
| WYEW-80AP | | | | 80 | 89 | 75 | 101 | 76,5 | 67,5 | 5 X 14 | | 0.75mm ² | 1.95 |
| WYEW-100AP | | 흑(BLACK) | 흑(BLACK) | 100 | 99 | 85 | 103 | 79 | 70 | 5 X 15 | | 0.75mm ² | 2.27 |
| WYEW-150AP | | 적(RE D) | 적(RE D) | 150 | 99 | 85 | 113 | 79 | 80 | 5 X 15 | | 1.25mm ² | 2.84 |
| WYEW-200AP | | 200 | 108 | 90 | 110 | 90 | 80 | 5 X 12 | 1.25mm ² | 3.45 | | | |
| WYEW-300AP | | 300 | 118 | 99 | 115 | 102 | 78 | 5 X 12 | 2.00mm ² | 4.78 | | | |
| WYEW-500AP | | 500 | 137 | 115 | 119 | 116 | 81 | 5 X 12 | 3.50mm ² | 6.89 | | | |
| WYEW-HP40AP | | WE | 0-380,440 | 0-24 | 40 | 78 | 68 | 81 | 64 | 54 | | 4 X 11 | 0.75mm ² |
| WYEW-HP60AP | 60 | | | | 78 | 68 | 86 | 64 | 59 | 5 X 14 | 0.75mm ² | 1.46 | |
| WYEW-HP80AP | 80 | | | | 89 | 75 | 101 | 76,5 | 67,5 | 5 X 14 | 0.75mm ² | 1.95 | |
| WYEW-HP100AP | 흑(BLACK) | | 흑(BLACK) | 100 | 99 | 85 | 103 | 79 | 70 | 5 X 15 | 0.75mm ² | 2.27 | |
| WYEW-HP150AP | 갈(BROWN) | | 백(WHITE) | 150 | 99 | 85 | 113 | 79 | 80 | 5 X 15 | 1.25mm ² | 2.84 | |
| WYEW-HP200AP | 200 | | 108 | 90 | 110 | 90 | 80 | 5 X 12 | 1.25mm ² | 3.45 | | | |
| WYEW-HP300AP | 적(RE D) | | 300 | 118 | 99 | 115 | 102 | 78 | 5 X 12 | 2.00mm ² | 4.78 | | |
| WYEW-HP500AP | 500 | | 137 | 115 | 119 | 116 | 81 | 5 X 12 | 3.50mm ² | 6.89 | | | |

● Dimension

• WP Type



TRANSFORMER

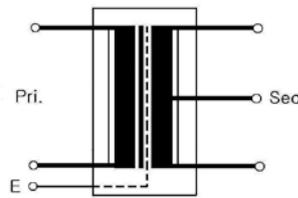
WYHP-AP Series (복권)

단상 복권형으로 입력은 AC220, 380, 440V이며 출력은 AC12V~26V 로 출력 전압을 다양화 하였으며, AC 입력전압 인가시 전원표시 LED가 부착되어있어 소비자의 안전성을 한층 높인 제품입니다.

Input voltage of single phase is AC 220V, 380V and 440V and output is AC 12V to 26V. Existing product manufactured by Poly carbonate and bolt has been manufactured by terminal block with LED to increase safety of customer and efficiency of wiring.



• Circuit Diagram

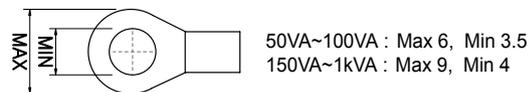


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|-----------------|----------|------------------|--------------|-----|------------------|-----|-----|----|-----|-------|------|----|---------|--------|-----|-------------|
| | | PRIMARY (V) | SECONDARY(V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 12 -26 SERIES | | | | | | | | | | | | | | | | |
| WYHP-25AP | DIN-Rail | 0-220-380-440 | 0-12-24(E) | 25 | 68,8 | 97 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,78 |
| WYHP-50AP | WT | 0-220-380-440(E) | 0-22-24-26 | 50 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYHP-100AP | | | | 100 | 98 | 106 | 105 | 54 | 72 | 60 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYHP-150AP | | | | 150 | 98 | 106 | 113 | 58 | 76 | 60 | 83 | 10 | Ø3,6 | 5 X 10 | 4 | 3,20 |
| WYHP-200AP | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 6 X 12 | 4 | 3,60 |
| WYHP-300AP | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYHP-500AP | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WYHP-1KAP | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø3,6 | 6 X 13 | 4 | 12,3 |

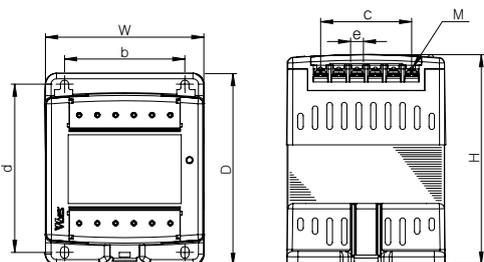
※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Terminal

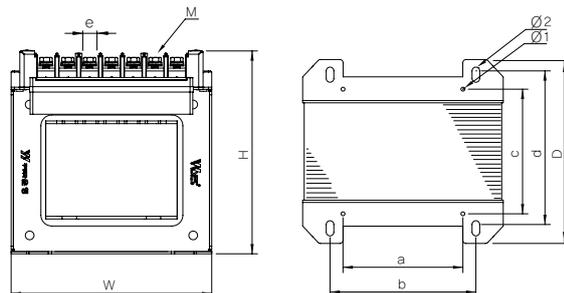


● Dimension

• DIN-Rail Type



• WT Type



노
이
스
켓
트
랜
스

R
E
A
C
T
O
R
리
액
터

T
R
A
N
S
트
랜
스
포
머

A
H
F
안
전
용
필
터

P
H
F
수
압
용
필
터

M
S
F
마
이
크
로
서
지
필
터

Z
H
F
영
상
고
조
파
필
터

S
P
D
서
지
보
호
기

TRANSFORMER

WY21-A Series (복권)



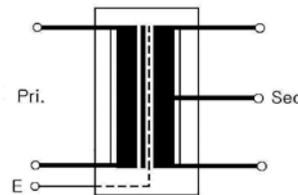
단상 복권형으로 입력은 AC220V 이며 출력은 AC 110V 로 일반 전원 공급용부터 대전력 공급 전원 까지 가능한 제품이며 AC 입력전압 인가시 전원표시 LED가 동작하며 전 규격 CE를 인증 받아 신뢰성과 안전성을 동시에 확보한 제품 입니다.

Input voltage of single phase is AC 220V and output is AC 110V. Product is available covering general electric source to large electric power. All models of series have been acquired of

Existing product manufactured by bolt has been manufactured by terminal block with LED type to increase safety of customer and efficiency of wiring.



• Circuit Diagram



● Specifications

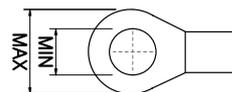
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|--------------|----------|----------------------|---------------|-----|------------------|-----|-----|-----|-----|-------|---------|------|---------|--------|--------|-------------|
| | | PRI. (V) | SEC. (V) | | W | H | D | a | b | c | d | e | (a,c)Ø1 | Ø2 | M | |
| WY21 - 20A | DIN-Rail | 0-200-220-240 | 0-100-110 | 20 | 68,8 | 85 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,78 |
| WY21 - 40A | WT | 0-200-220-240 (E) | 0-100-110-120 | 40 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY21 - 60A | | | | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY21 - 80A | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY21 - 100A | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY21 - 150A | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 10 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY21 - 200A | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY21 - 300A | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY21 - 500A | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY21 - 750A | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY21 - 1KA | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 16 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY21 - 1,5KA | | | 1,5K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø4,3 | 10 X 30 | 6 | 16,50 | |
| WY21 - 2KA | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 10 X 30 | 6 | 20,10 | |
| WY21 - 3KA | | | 3K | 219 | 220 | 170 | | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 | |
| WY21 - 5KA | | | 5K | 245 | 240 | 192 | | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 | |
| WY21 - 7,5KA | | | 7,5K | 270 | 272 | 236 | 110 | 180 | 110 | 185 | 16 | - | 10 X 35 | 6 | 52,00 | |
| WY21 - 10KA | | | 10K | 310 | 305 | 250 | | 220 | - | 160 | 16 | - | 10 X 30 | 6 | 68,00 | |
| WY21 - 15KA | | | 15K | 310 | 305 | 280 | | 220 | - | 180 | 16 | - | 10 X 35 | 6 | 94,00 | |
| WY21 - 20KA | | | 20K | 360 | 385 | 360 | | 270 | - | 200 | 16 | - | 12 X 35 | 6 | 112,30 | |
| WY21 - 30KA | | | 30K | 380 | 450 | 440 | | 200 | - | 230 | 16 | - | 13 X 35 | 6 | 162,60 | |
| WY21 - 40KA | | | 40K | 480 | 580 | 380 | | 300 | - | 240 | 20 | - | 13 X 35 | 8 | 205,00 | |
| WY21 - 50KA | 50K | 490 | 580 | 390 | | 300 | - | 240 | 20 | - | 13 X 35 | 8 | 221,00 | | | |

※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)

※ 정격용량 : 최대전압(TAP)에서의 용량임.

※ Rated capacity : Capacity at the maximum voltage(TAP).

● Terminal



40VA~50VA : Max 6, Min 3.5

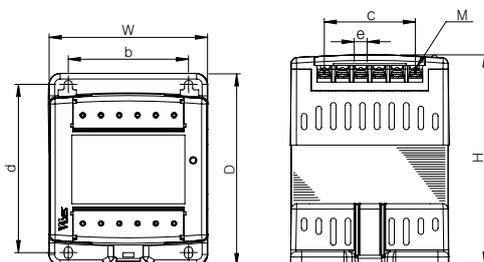
200VA~1kVA : Max 9, Min 4

1.5~30kVA : Max 15, Min 6

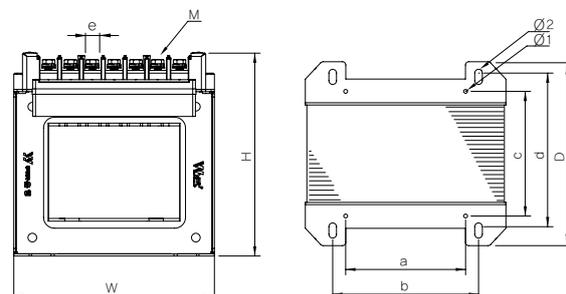
40~30kVA : Max 19, Min 8

● Dimension

• DIN-Rail Type



• WT Type



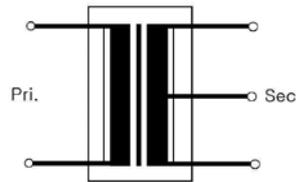
WY21-AO Series (복권)

단상 복권형 입력전압은 AC200~240V이고 출력측은 전압, 전류별로 세분화 되어 납땜 형식으로 제작되어 있으며 100V부터 110V까지 사용 할 수 있도록 되어 있습니다.

This transformer are 200~240V input voltage as single phase isolation transformer and output is to be classified by voltage and current can use to from 100V to 110V in soldering terminal.



• Circuit Diagram



● Specifications

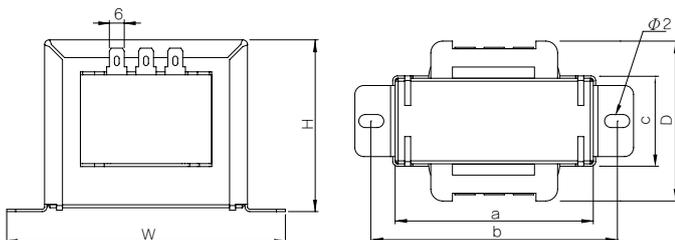
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | WEIGHT (kg) |
|------------|------|----------------|-----------|-----|------------------|----|-----|----|----|----|----|---------|---------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | (a.c)Ø1 | Ø2 | |
| WY21-10AO | WB | 0-200-220-240 | 0-100-110 | 10 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 |
| WY21-15AO | | | | 15 | 85 | 52 | 50 | 59 | 75 | 27 | - | - | 4,5 X 7 | 0,6 |
| WY21-25AO | | | | 25 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 4,5 X 7 | 0,75 |
| WY21-40AO | WO | 0-200-220-240 | 0-100-110 | 40 | 78 | 68 | 83 | 42 | 57 | 46 | 60 | M4 | 5 X 12 | 1,34 |
| WY21-60AO | | | | 60 | 78 | 68 | 88 | 42 | 57 | 48 | 68 | M4 | 5 X 12 | 1,49 |
| WY21-80AO | | | | 80 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | M4 | 5 X 12 | 1,98 |
| WY21-100AO | | | | 100 | 99 | 85 | 105 | 46 | 64 | 63 | 96 | M4 | 5 X 12 | 2,58 |
| WY21-150AO | | | | 150 | 99 | 86 | 116 | 54 | 72 | 70 | 94 | M4 | 6 X 12 | 3,23 |

※ 정격용량 : 최대전압(TAP)에서의 용량임.

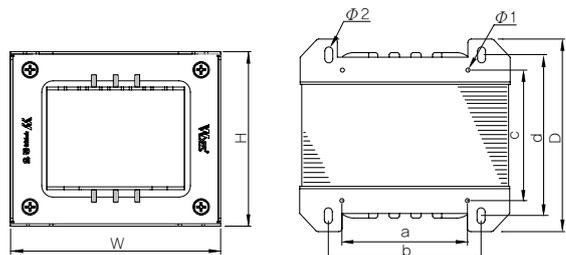
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WB Type



• WO Type



노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANS.

수용용필터 AHF

수용용필터 PHF

마이크로서지필터 MSF

영상고조파필터 ZHF

서지보호기 SPD

WY21-AE Series (복권)

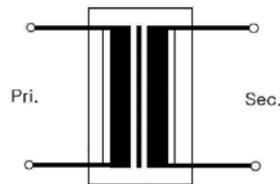


단상 복권형으로 입력은 AC 220V 이며 출력은 AC 110V로 Lead-Wire로 인출하였으며 권선 보호 덮개를 사용하여 분진, 습기 등 진동이 심한 곳에 사용 하도록 제작 되었습니다.

Input voltage of single phase is AC 220V and output is AC 110V. It has been withdrawn by lead wire manufactured to be used at the place of server dust and humidity and vibration etc. By use of the cover of winding protector.



• Circuit Diagram

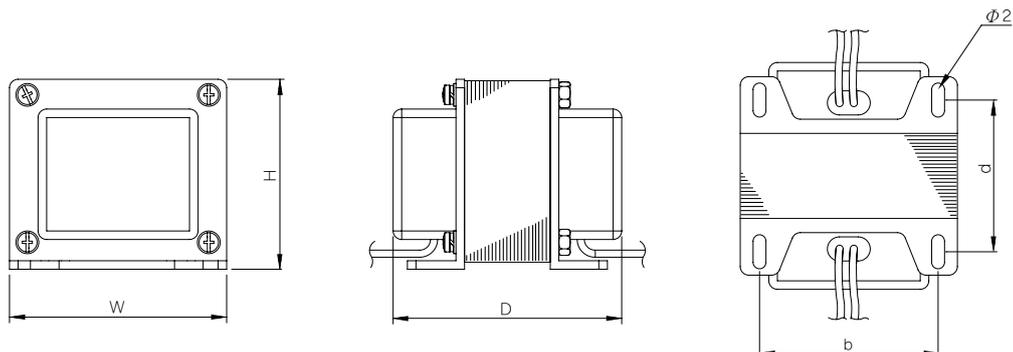


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | SUITABLE WIRE | | WEIGHT (kg) |
|------------|------|-----------------------------|--------------------------------|-----|------------------|-----|-----|------|------|--------|---------------------|---------------------|-------------|
| | | PRI.(V) | SEC. (V) | | W | H | D | b | d | Ø2 | PRI. | SEC. | |
| WY21-40AE | WE | 0-220 흑(BLACK) 적(REL) | 0-110 갈(BROWN) 노(YELLOW) | 40 | 78 | 68 | 83 | 64 | 54 | 4 X 11 | 0.75mm ² | 0.75mm ² | 1.30 |
| WY21-60AE | | | | 60 | 78 | 68 | 86 | 64 | 59 | 4 X 14 | | | 1.60 |
| WY21-80AE | | | | 80 | 89 | 75 | 101 | 76.5 | 67.5 | 5 X 14 | | | 1.95 |
| WY21-100AE | | | | 100 | 89 | 75 | 101 | 76.5 | 73 | 5 X 14 | | | 2.27 |
| WY21-150AE | | | | 150 | 99 | 85 | 113 | 79 | 80 | 5 X 15 | | | 2.84 |
| WY21-200AE | | | | 200 | 108 | 90 | 110 | 90 | 80 | 5 X 12 | | | 3.45 |
| WY21-300AE | | | | 300 | 118 | 99 | 115 | 102 | 78 | 5 X 12 | | | 4.76 |
| WY21-500AE | | | | 500 | 137 | 115 | 119 | 116 | 81 | 5 X 12 | | | 6.89 |

● Dimension

• WP Type

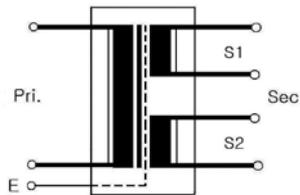


단상 복권형으로 입력은 AC220V 이고 출력은 AC 110V/24V 로 분리하여 한곳에서 2개의 전원이 필요한 곳에서 사용이 용이하며 AC 입력전원 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다.

This transformer inputs is ac 110/220V by single phase isolation transformer. output voltage is two way by AC110V and 24V when 2 power need in place use is easy. it is all indication LED lamp As product that consider consumer's stability being turn on at apply AC input.



• Circuit Diagram

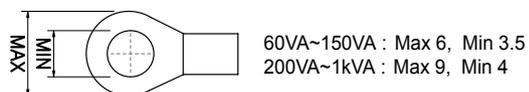


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | S2(A) | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|------------|----------|----------------------|----------------------------|-----|-------|------------------|-----|-----|----|-----|-------|------|----|---------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| WY21-20A2 | DIN-Rail | 0-200 -220-240 | S1 0-110 S2 0-24 | 20 | 0,3 | 68,8 | 85 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,78 |
| WY21-60A2 | WT | 0-200-220 -240(E) | S1 0-100-110 S2 0-12-24 | 60 | 0,5 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY21-100A2 | | | | 100 | 1 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY21-150A2 | | | | 150 | 1,3 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY21-200A2 | | | | 200 | 1,5 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY21-300A2 | | | | 300 | 2 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY21-500A2 | | | | 500 | 3 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY21-1KA2 | | | | 1K | 5 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |

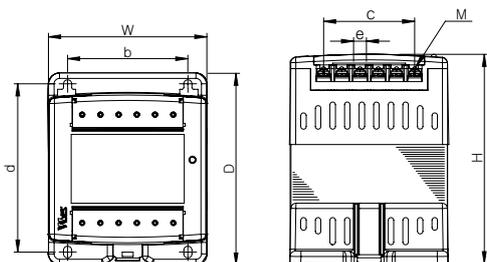
※ 정격용량 : 최대전압(TAP)에서의 용량임.
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Terminal

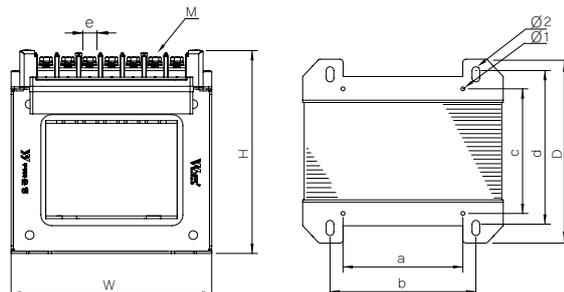


● Dimension

• DIN-Rail Type



• WT Type



노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

수동형 변압기 AHF

수동형 변압기 PHF

마이크로 서지 필터 MSF

영상고조파 필터 ZHF

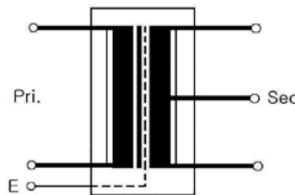
서지보호기 SPD



단상 복권형으로 입력과 출력이 AC110V 1:1형 제품으로 Line Noise를 Filtering하여 안정적으로 출력 전압을 사용할 수 있는 절연형(Isolation)으로 제작 되었으며 AC 입력 전압 인가시 전원표시 LED가 동작하여 안전성과 CE 획득으로 신뢰성도 확보한 제품 입니다.

Input and output voltage of single phase is AC 110V. It is a product of 1:1 winding and manufactured with isolation to use stable output voltage as line noise is filtered. Also it is produced by terminal block with LED type and all models have been acquired of CE to meet customer and demand.

• Circuit Diagram



● Specifications

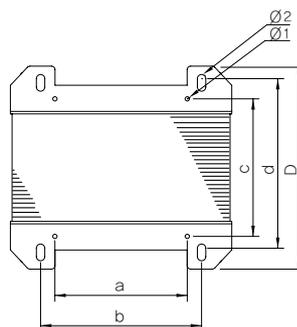
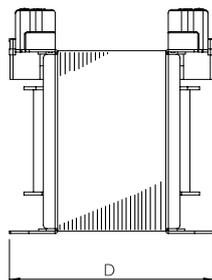
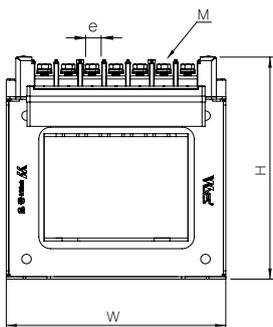
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|--|------|----------------------|---------------|-----|------------------|-----|-----|----|-----|-------|-----|----|---------|--------|-----|-------------|
| | | PRI.(V) | SEC. (V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 110V Line → 110V Line Isolation Series | | | | | | | | | | | | | | | | |
| WY11-100AF | WT | 0-90-100-110 -(E) | 0-100-110-120 | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY11-200AF | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY11-300AF | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY11-500AF | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY11-1KAF | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |

※ 정격용량 : 최대전압(TAP)에서의 용량임.

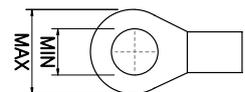
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

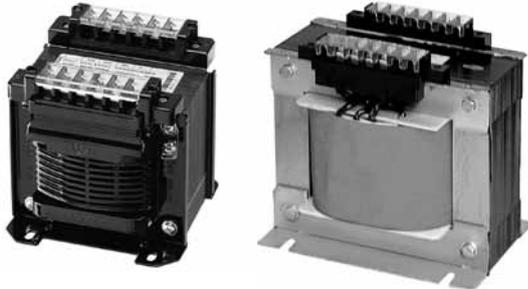
• WT Type



● Terminal



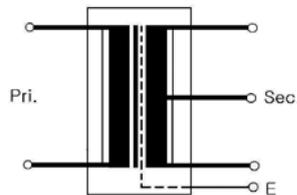
100VA : Max 6, Min 3.5
200VA~1kVA : Max 9, Min 4



단상 복권형으로 입력 과 출력이 AC220V 1:1절연형으로 Line에서 Noise 감쇄 효과를 얻을 수 있어 Noise로 인한 각종기기의 오동작을 줄이는데 효과적이다. AC 입력전압 인가시 전원표시 LED가 동작하여 안전성과 전모델 CE 획득으로 신뢰성을 확보하여 소비자의 사용에 충족하도록 설계된 제품 입니다.

Input voltage of single phase is AC 220V and output is AC 220. It is a product of 1:1 and manufactured with isolation to use stable output voltage as line noise is filtered. Also it is produced by terminal block with LED type and all models have been acquired of CE to meet customer and demand.

• Circuit Diagram



● Specifications

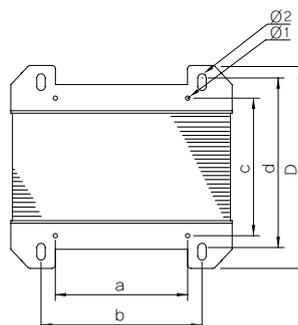
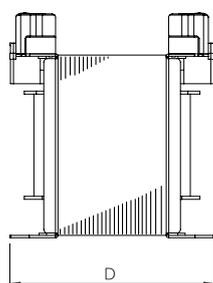
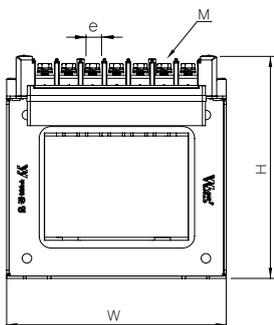
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|--|------|----------------|-------------------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 220V Line → 220V Line Isolation Series | | | | | | | | | | | | | | | | |
| WY22-50AF | WT | 0-200-220 | 0-210-220-230-(E) | 50 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY22-100AF | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY22-150AF | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY22-200AF | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,6 |
| WY22-300AF | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY22-500AF | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY22-750AF | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY22-1KAF | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø3,6 | 6 X 13 | 4 | 12,30 |
| WY22-1,5KAF | | | | 1,5K | 185 | 188 | 151 | 110 | 135 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY22-2KAF | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |
| WY22-3KAF | | | | 3K | 219 | 220 | 170 | | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WY22-5KAF | | | | 5K | 245 | 240 | 192 | | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |

* Order Production : More then 5KVA
 * 3KVA 이상 " I " Bolt 부착 (Attach an " I " bolt for 3KVA or larger)

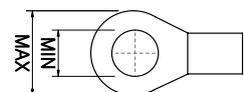
* 정격용량 : 최대전압(TAP)에서의 용량임.
 * Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



50~150VA : Max6, Min 3.5
 200VA~1kVA : Max 9, Min 4
 1.5~5kVA : Max 15, Min 6

노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

AHF

PHF

마이크로서지필터 MSF

영상고조파필터 ZHF

서지보호기 SPD

WY22-FC , WY42-FC Series (복권)

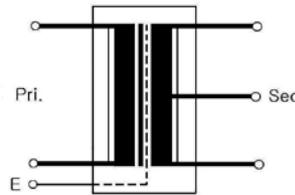


단상 복권형으로 입력은 AC220, 380/440V 이며 출력은 AC115~230V 까지 Filed용으로 제작 하였으며 AC 입력전압 인가시 전원표시 LED가 발광되어 소비자의 안전성을 고려한 제품입니다.

Input voltage of single phase is AC220, 380/440V and output is AC 115~230V. It has been produced to meet user demand with manufacture of power lamp type.



• Circuit Diagram



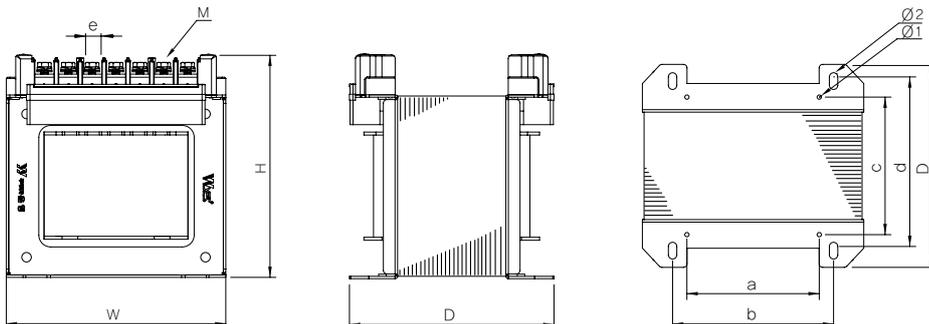
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---------------------------|------|----------------------|---------------------------|-----|------------------|-----|-----|-----|-------|-----|----|------|---------|--------|-------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a.c)ø1 | Ø2 | M | |
| • 220V Line → 115V ~ 230V | | | | | | | | | | | | | | | | |
| WY22-300FC | WT | 0-210-220 -230(E) | 0-150-170-190 -210-230 | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | ø3,6 | 5 X 10 | 4 | 4,97 |
| WY22-500FC | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | ø3,6 | 6 X 12 | 4 | 7,10 | |
| WY22-750FC | | | 750 | 160 | 162 | 146 | 96 | 114 | 90,5 | 125 | 10 | ø3,6 | 6 X 13 | 4 | 10,70 | |
| WY22-1KFC | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | ø3,6 | 6 X 13 | 4 | 12,30 | |
| WY22-1,5KFC | | | 1,5K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | ø3,6 | 7 X 14 | 6 | 16,50 | |
| WY22-2KFC | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | ø3,6 | 7 X 14 | 6 | 20,10 | |
| • 380V Line → 115V ~ 230V | | | | | | | | | | | | | | | | |
| WY42-300FC | WT | 0-380-420 -440(E) | 0-150-170-190 -210-230 | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | ø3,6 | 5 X 10 | 4 | 4,97 |
| WY42-500FC | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | ø3,6 | 6 X 12 | 4 | 7,10 | |
| WY42-750FC | | | 750 | 160 | 162 | 146 | 96 | 114 | 90,5 | 125 | 10 | ø3,6 | 6 X 13 | 4 | 10,70 | |
| WY42-1KFC | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | ø3,6 | 6 X 13 | 4 | 12,30 | |
| WY42-1,5KFC | | | 1,5K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | ø3,6 | 7 X 14 | 6 | 16,50 | |
| WY42-2KFC | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | ø4,3 | 7 X 14 | 6 | 20,10 | |

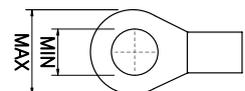
※ 정격용량 : 최대전압(TAP)에서의 용량임.
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



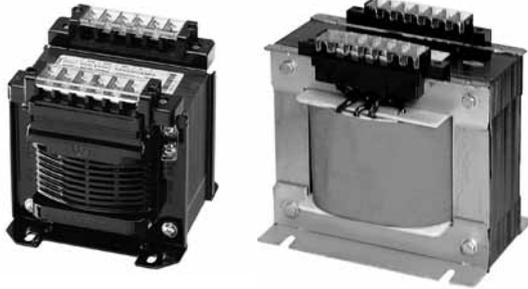
● Terminal



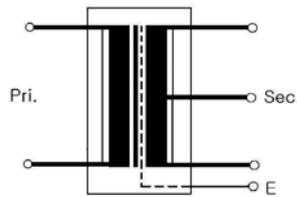
300VA~1kVA : Max 9, Min 4
1.5~2kVA : Max 15, Min 6

단상 복권형으로 입력 Tap을 AC380V~480V 출력 Tap은 AC100~120V 까지 다양화하여 사용이 용이하도록 하였으며 AC입력전압 인가시 전원표시 LED가 동작하여 소비자의 안전성을 고려한 제품 입니다.

Input voltage of single phase is AC 380V and 480V and output is AC 100~120V. It has been manufactured by terminal block type in a consideration of efficiency of power lamp type.



• Circuit Diagram



● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|-------------------------------|------|---------------------------|----------------------|------|------------------|-----|-----|-----|-----|-------|-----|----|---------|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 380V, 440V Line → 110V Line | | | | | | | | | | | | | | | | |
| WY41-60A | WT | 0-380-420 -440-460-480 | 0-100-110- 120(E) | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY41-80A | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY41-100A | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY41-150A | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY41-200A | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY41-300A | | | | 300 | 121 | 122 | 114 | 68 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY41-500A | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY41-750A | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY41-1KA | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY41-1,5KA | | | | 1,5K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY41-2KA | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |
| WY41-3KA | | | | 3K | 219 | 220 | 170 | - | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WY41-5KA | | | | 5K | 245 | 240 | 192 | - | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |

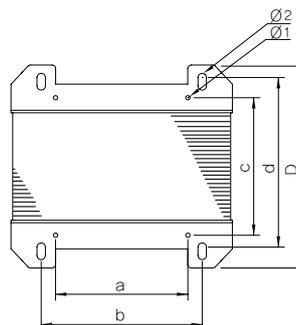
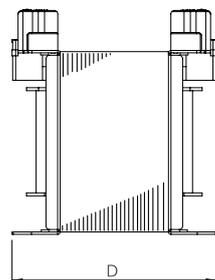
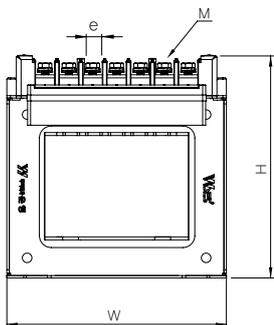
※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)

※ 정격용량 : 최대전압(TAP)에서의 용량임.

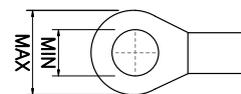
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



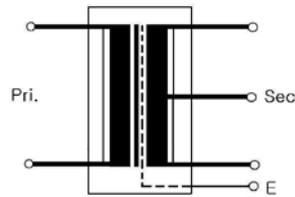
60~150VA : Max 6, Min 3.5
200VA~1KVA : Max 9, Min 4
1.5~5kVA : Max 15, Min 6

단상 복권형으로 AC 380V, 440V 이며 출력은 AC 110V, 220V 로 소용량부터 대용량까지 규격화 하였으며 CE를 획득하여 품질을 한층 높였습니다. AC 입력 전압 인가시 전원 표시 LED가 동작하여 소비자의 안전성을 고려한 제품입니다.

Input voltage of single phase is AC 380V and 440V and output is AC 110V and 220V. Product is specialized and standardized from small sized to large capacity CE to meet the customer needs with the classification of efficiency of power lamp type.



• Circuit Diagram

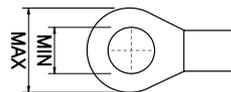


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|-------------------------------|----------|-------------------|----------------------|------|------------------|-----|-----|-----|-----|-------|------|----|---------|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a.c)Ø1 | Ø2 | M | |
| • 380V, 440V Line → 220V Line | | | | | | | | | | | | | | | | |
| WY42-20AW | DIN-Rail | 0-380-440 | 0-110-220(E) | 20 | 68,8 | 85 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,78 |
| WY42-40AW | WT | 0-380-420 -440 | 0-110-200 -220(E) | 40 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY42-60AW | | | | 60 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WY42-80AW | | | | 80 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WY42-100AW | | | | 100 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY42-150AW | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY42-200AW | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY42-300AW | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY42-500AW | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY42-750AW | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY42-1KAW | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY42-1,5KAW | | | | 1,5K | 185 | 188 | 151 | 110 | 135 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY42-2KAW | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 143 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |
| WY42-3KAW | | | | 3K | 219 | 220 | 170 | - | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WY42-5KAW | | | | 5K | 245 | 240 | 192 | - | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |
| WY42-7,5KAW | | | | 7,5K | 270 | 272 | 236 | 110 | 180 | 110 | 185 | 16 | - | 10 X 35 | 6 | 52,00 |

※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)
 ※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

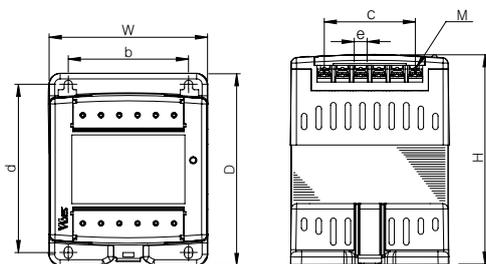
● Terminal



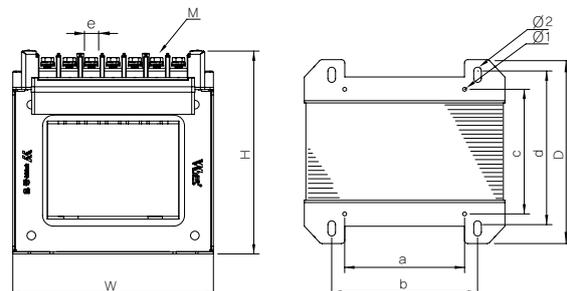
40~50VA : Max 6, Min 3.5
 200VA~1kVA : Max 9, Min 4
 2~7.5kVA : Max 15, Min 6

● Dimension

• DIN-Rail Type

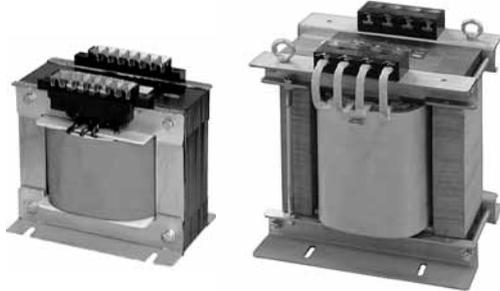


• WT Type

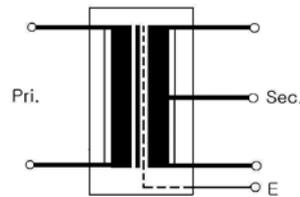


단상 복권형으로 입력은 AC380V, 440V이며 출력은 AC110V, 220V H중 건식으로 전체 진공 함침하여 열악한 환경에서도 견딜 수 있는 제품으로 50KVA까지 CE인증을 획득하여 제품 신뢰성을 확보한 제품입니다.

Input is AC380V, 440V by single phase double winding type and output is AC110,220V. This transformer is H insulation class and enforcing vacuum varnish immersion acquire CE certification to 50KVA by product that can bear in worst environments and is product that secure reliability.



• Circuit Diagram



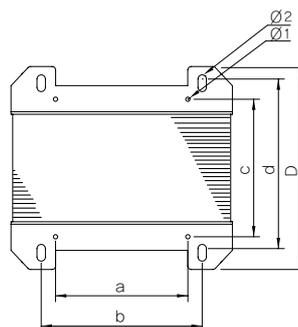
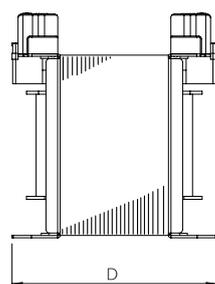
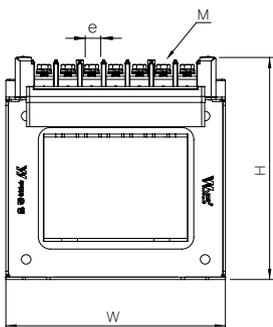
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | WEIGHT (kg) |
|-------------------------------|------|-------------------|----------------------|-----|------------------|-----|-----|-----|-----|----|---------|---|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | b | d | e | Ø2 | M | |
| • 380V, 440V Line → 220V Line | | | | | | | | | | | | | |
| WY42 - 10KAW | WT | 0-380-420 -440 | 0-110-200 -220(E) | 10K | 310 | 305 | 250 | 220 | 160 | 16 | 10 X 30 | 6 | 68,00 |
| WY42 - 15KAW | | | | 15K | 310 | 305 | 280 | 220 | 180 | 16 | 10 X 35 | 6 | 74,00 |
| WY42 - 20KAW | | | | 20K | 360 | 385 | 360 | 270 | 200 | 16 | 12 X 40 | 6 | 112,20 |
| WY42 - 30KAW | | | 0-110-220(E) | 30K | 380 | 450 | 440 | 200 | 230 | 16 | 13 X 35 | 6 | 162,60 |
| WY42 - 40KAW | | | | 40K | 480 | 580 | 380 | 300 | 240 | 20 | 13 X 35 | 8 | 215,00 |
| WY42 - 50KAW | | | | 50K | 490 | 580 | 390 | 300 | 240 | 20 | 13 X 35 | 8 | 221,00 |

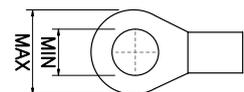
※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)
 ※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



10~30kVA : Max 15, Min 6
 40~50kVA : Max 19, Min 8

노이즈컷트랜스

REACTOR 리액터

TRANS. 트랜스포머

A.H.F. 수냉형변압기

P.H.F. 수냉형필터

M.S.F. 마이크로서지필터

Z.H.F. 영상고조파필터

S.P.D. 서지보호기

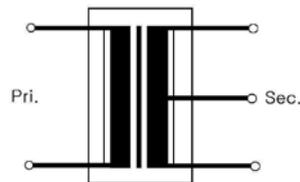
WY42-AO Series (복권)

단상 복권형으로 입력은 AC 380V, 440V이며 출력은 AC 220V로 납땜식 (Soldering Type)으로 전원 공급용으로 제작되었으며 높이의 제한이 있는곳에 사용합니다.

Input is AC380V, 440V by single phase double winding type and output is AC220V. this transformer has soldering terminal and used much in place that height is limited.



• Circuit Diagram



● Specifications

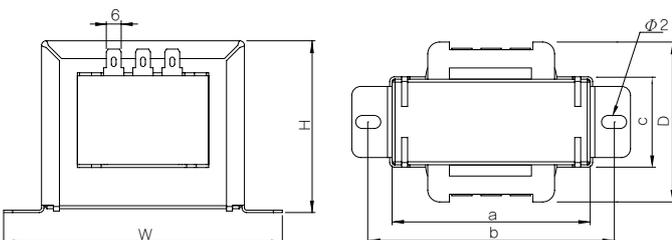
| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | WEIGHT (kg) |
|------------|------|-----------------------|--------------------------|-----|------------------|----|-----|----|----|----|----|-------------|---------|------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | (a,c) Ø1 | Ø2 | | |
| WY42-10AO | WB | 0-380-440-460 | 0-110-220(E) | 10 | 95 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 | |
| WY42-25AO | | | | 25 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 4,5 X 7 | 0,75 | |
| WY42-40AO | WO | 0-380-420 -440-460 | 0-110-200 -220-240(E) | 40 | 78 | 69 | 83 | 42 | 57 | 46 | 63 | Ø3,6 | 5 X 12 | 1,34 | |
| WY42-60AO | | | | 60 | 78 | 69 | 88 | 42 | 57 | 48 | 68 | Ø3,6 | 5 X 12 | 1,49 | |
| WY42-80AO | | | | 80 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | Ø3,6 | 5 X 12 | 1,98 | |
| WY42-100AO | | | | 100 | 99 | 85 | 105 | 46 | 64 | 63 | 85 | Ø3,6 | 5 X 12 | 2,58 | |
| WY42-150AO | | | | 150 | 99 | 86 | 116 | 54 | 72 | 70 | 96 | Ø3,6 | 6 X 12 | 3,23 | |

※ 정격용량 : 최대전압(TAP)에서의 용량임.

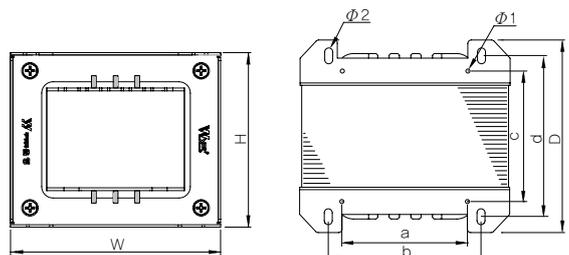
※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WB Type



• WO Type

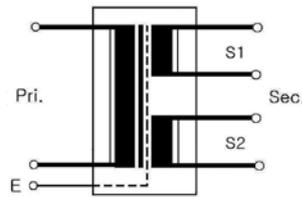




단상 복권형으로 입력은 AC 380V,440V 이고 출력은 AC 110V,220V, AC12V, 24V로 분리하여 1곳에서 2곳의 전원이 필요한 장소에서 용이하며 AC 입력전 원 인가시 전원 표시 LED가 동작하여 소비자의 안정성을 고려한 제품입니다.

Input voltage of single phase is AC 380V and 440V and output is two way of AC 110V,220V, AC12V and 24V. this Transformer is can be used with needed 2power of 1place. It has been manufactured by power lamp type.

• Circuit Diagram



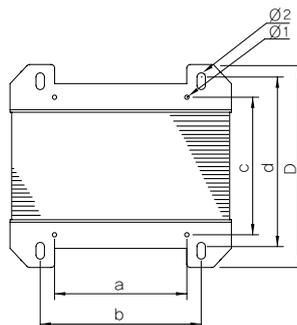
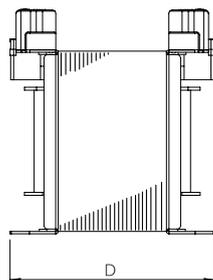
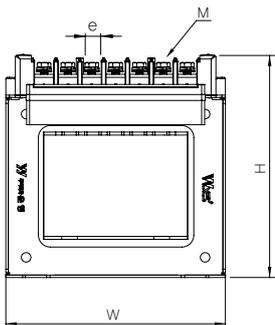
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | S2 (A) | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|------------|------|---------------------------|----------------------------|-----|--------|------------------|-----|-----|----|-----|-------|-----|----|----------|--------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | e | (a,c) Ø1 | Ø2 | M | |
| WY42-60A2 | WT | 0-380-420 -440-460-(E) | S1 0-110-220 S2 0-12-24 | 60 | 0.27 | 79 | 89 | 88 | 42 | 57 | 55,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WY42-100A2 | | | | 100 | 0,5 | 98 | 106 | 105 | 54 | 73 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY42-200A2 | | | | 200 | 0,8 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY42-300A2 | | | | 300 | 1,5 | 112 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY42-500A2 | | | | 500 | 2,5 | 142 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY42-1KA2 | | | | 1K | 4 | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |

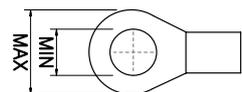
※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



60~100VA : Max 6, Min 3.5
 200VA~1kVA : Max 9, Min 4

노
이
스
켓
트
랜
스

R
E
A
C
T
O
R
리
액
터

T
R
A
N
S.
트
랜
스
포
머

A
H
F
아
이
스
켓
트
랜
스
포
머

P
H
F
스
마
트
트
랜
스
포
머

M
S
F
마
이
크
로
서
지
필
터

Z
H
F
영
상
고
조
파
필
터

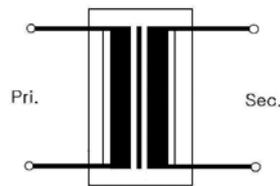
S
P
D
서
지
보
호
기

단상 복권형으로 입력 AC380/440V 출력 AC 220V로 Lead-Wire로 제작되었으며 권선 보호 덮개형으로 분진, 습기가 많은 곳에서 사용하도록 제작 하였습니다.

Input voltage of single phase is AC 380V/440V and output is AC 220V. It has been with drawn by lead wire and manufactured to be used at the place of severe dust and humidity and vibration etc.



• Circuit Diagram

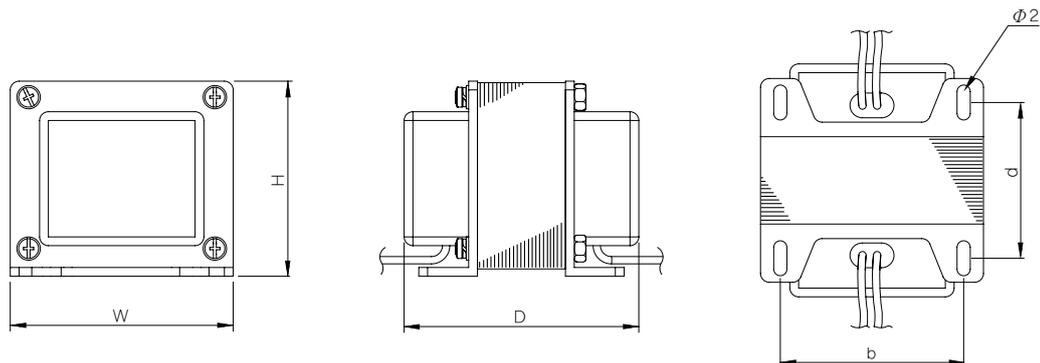


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | SUITABLE WIRE | | WEIGHT (kg) |
|--------------|------|--------------------------------------|---------------------------|-----|------------------|----|-----|------|------|--------|---------------------|---------------------|-------------|
| | | PRI. (V) | SEC.(V) | | W | H | D | b | d | Ø2 | PRI. | SEC. | |
| WY42 - 40DE | WE | 0-380-440 흑청황 (BL) (BLUE) (YE) | 0-220 흑적 (BL) (RED) | 40 | 78 | 68 | 81 | 64 | 54 | 4 X 11 | 0.75mm ² | 0.75mm ² | 1.30 |
| WY42 - 60DE | | | | 60 | 78 | 68 | 91 | 64 | 64 | 4 X 11 | | | 1.60 |
| WY42 - 80DE | | | | 80 | 89 | 75 | 101 | 76.5 | 67.5 | 5 X 14 | | | 1.95 |
| WY42 - 100DE | | | | 100 | 89 | 75 | 103 | 76.5 | 73 | 5 X 14 | | | 2.27 |
| WY42 - 150DE | | | | 150 | 99 | 85 | 113 | 79 | 80 | 5 X 15 | | | 3.20 |

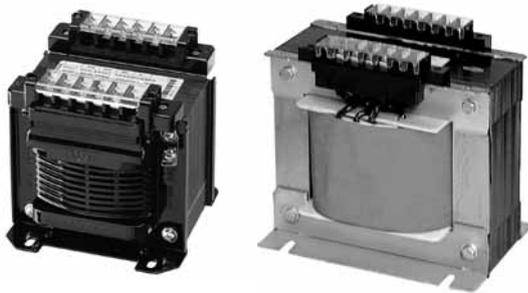
● Dimension

• WP Type

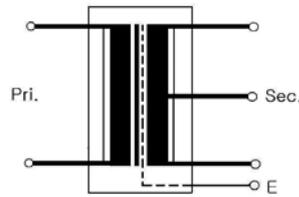


단상 복권형으로 입력은 AC440V~500V이며 출력은 AC110, 220V로 100VA~3KVA 규격화하였으며 CE를 획득 하였습니다 소비자의 안전성을 고려하여 AC 입력전압 인가시 전원표시 LED가 켜집니다.

Input voltage of single phase is AC 440V and 500V and output is AC 110V and 220V. Product is specialized and standardized from small sized to large capacity (100VA~3KVA) CE to meet the customer needs with power lamp type.



• Circuit Diagram



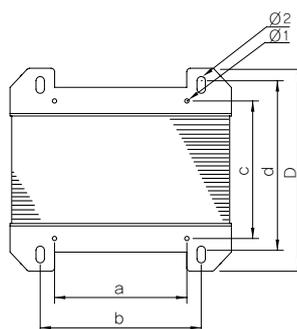
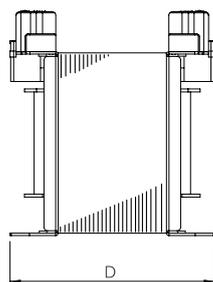
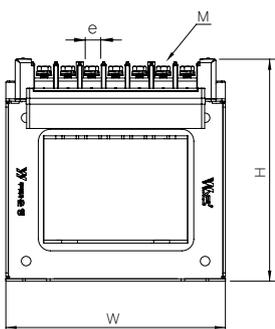
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|---|------|--------------------|---------------|------|------------------|-----|-----|-----|-----|-------|-----|----|----------|---------|-----|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a.c) Ø1 | Ø2 | M | |
| •440V, 460V, 480V, 500V LINE → 110, 220V LINE | | | | | | | | | | | | | | | | |
| WY52-100AW | WT | 0-440-460-480-500V | 0-110-220V(E) | 100 | 98 | 106 | 105 | 54 | 73 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WY52-150AW | | | | 150 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WY52-200AW | | | | 200 | 112 | 114 | 110 | 58 | 76 | 65,5 | 88 | 10 | Ø3,6 | 5 X 10 | 4 | 3,60 |
| WY52-300AW | | | | 300 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WY52-500AW | | | | 500 | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WY52-750AW | | | | 750 | 160 | 162 | 146 | 96 | 114 | 92,5 | 125 | 10 | Ø4,3 | 6 X 13 | 4 | 10,70 |
| WY52-1KAW | | | | 1K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WY52-1,5KAW | | | | 1,5K | 185 | 188 | 151 | 110 | 135 | 95 | 122 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WY52-2KAW | | | | 2K | 185 | 188 | 171 | 110 | 134 | 115 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 20,10 |
| WY52-3KAW | | | | 3K | 219 | 220 | 170 | - | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WY52-5KAW | | | | 5K | 245 | 240 | 192 | - | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |

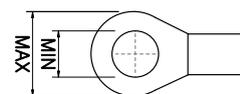
※ 3KVA 이상 " I " Bolt 부착 (Attach an " I " bolt for 3KVA or larger)
 ※ 정격용량 : 최대전압(TAP)에서의 용량임.
 ※ Rated capacity : Capacity at the maximum voltage(TAP).

● Dimension

• WT Type



● Terminal



100VA~150VA : Max 6, Min 3.5
 200VA~1kVA : Max 9, Min 4
 1.5~5kVA : Max 15, Min 6

노이즈컷트랜스

REACTOR 리액터

TRANS. 트랜스포머

A.H.F. 아크용접용 변압기

P.H.F. 수성용 변압기

M.S.F. 마이크로 서지 필터

Z.H.F. 영상고주파 필터

S.P.D. 서지보호기

1Ø 단권형

1Ø Auto Transformer

110V, 220V, 380V, 440V, 500V Line



- WYAU-D Series
- WYAU-DO Series
- WE Type
- WYAU-DW Series
- WYAU-DWO Series
- WE Type

WYAU-D Series (단권)

RoHS

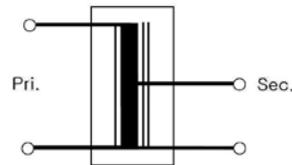


단상단권형으로 입력과 출력 전압이 한권선으로 전압탭을 인출하여 크기가 작고 가격이 저렴한 반면 사용이 제한되어 Lamp, Heater, Motor, Fan부하 등 단순 부하에 사용되나 콘트를 제어 위치제어 PLC, 각종 Noise에 영향을 받는 제품 사용시에는 오동작 우려가 있으니 신중하게 고려 하시기 바랍니다.

It is single phase and auto transformer that the primary and secondary windings are connected. So the size is small and the price is cheap but it is used simple load as Lamp, Heater, Motor and Fan.

Please consider carefully because it may malfunction when use to noise sensitive appliance to various controllers, position controller, PLC Etc.

• Circuit Diagram



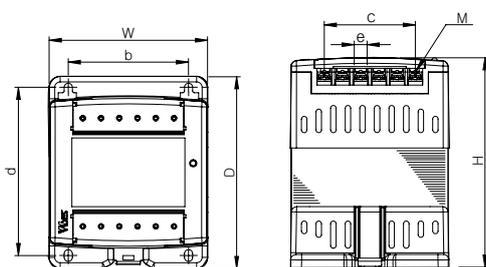
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|--------------|----------|---|------|------------------|-----|-----|-----|-----|-------|------|----|----------|-----------|-----|-------------|
| | | | | W | H | D | a | b | c | d | e | (a.c) Ø1 | Ø2 | M | |
| WYAU - 10DT | DIN-Rail | 0 - 100 - 110 - 200 - 220 (0 : COMMON) | 10 | 68,8 | 85 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,75 |
| WYAU - 50DT | | | 50 | 68,8 | 85 | 97 | - | 50 | - | 76,5 | 7 | - | - | 3,5 | 0,78 |
| WYAU - 75D | WT | Pri(V) / Sec(V) 0 - 100 - 110 - 200 - 220 - 240 (0V : COMMON) | 75 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WYAU - 100D | | | 100 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYAU - 150D | | | 150 | 89 | 98 | 105 | 46 | 65 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WYAU - 200D | | | 200 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYAU - 300D | | | 300 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WYAU - 500D | | | 500 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYAU - 1KD | | | 1K | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WYAU - 2KD | | | 2K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WYAU - 3KD | | | 3K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WYAU - 5KD | | | 5K | 219 | 220 | 170 | - | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WYAU - 7,5KD | | | 7,5K | 245 | 240 | 188 | - | 180 | - | 158 | 16 | - | 10 X 30 | 6 | 33,50 |
| WYAU - 10KD | | | 10K | 245 | 240 | 192 | - | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |
| WYAU - 15KD | | | 15K | 270 | 272 | 236 | 110 | 180 | 110 | 175 | 16 | - | 10 X 35 | 6 | 52,00 |
| WYAU - 20KD | | | 20K | 310 | 305 | 250 | - | 220 | - | 160 | 16 | - | 10 X 30 | 6 | 68,00 |
| WYAU - 30KD | | | 30K | 310 | 305 | 280 | - | 220 | - | 180 | 16 | - | 10 X 35 | 6 | 91,90 |
| WYAU - 40KD | | | 40K | 360 | 305 | 360 | - | 270 | - | 200 | 20 | - | 13,5 X 35 | 8 | 102,00 |
| WYAU - 50KD | | | 50K | 380 | 490 | 350 | - | 280 | - | 230 | 20 | - | 13,5 X 35 | 8 | 112,30 |

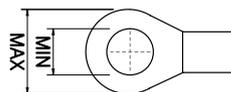
※ 5kVA까지 LED 부착
 ※ 3kVA 이상 " I " Bolt 부착 (Attach an " I " bolt for 3kVA or larger)

● Dimension

• DIN-Rail Type

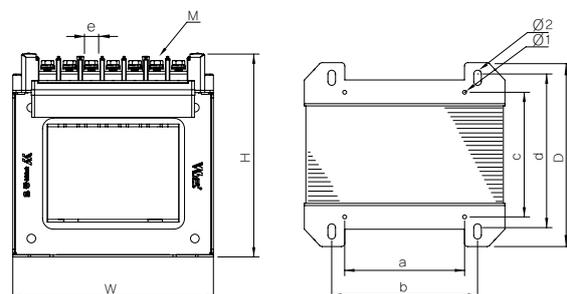


● Terminal



75~300VA : Max 6, Min 3.5
 500VA~2kVA : Max 9, Min 4
 3~30kVA : Max 15, Min 6
 40~50kVA : Max 19, Min 8

• WT Type



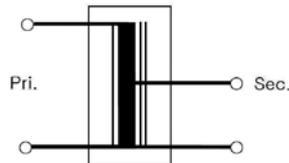
WYAU-DO Series (단권)

단상 단권형으로 입력 AC220V, 출력 AC110V로 탭식으로 일반 전원용으로 제작되었으며 복권식에 비해 1, 2차 구분없이 한개의 권선에서 인출된 권선 방식으로 제작 되었습니다.

With a single phase, it has been manufactured for general electric source with AC220V of input voltage and AC110V of output by soldering type. It is produced by auto transformer type from one coil without classification of the primary and secondary.



• Circuit Diagram

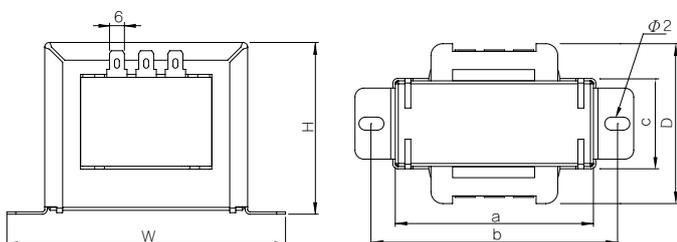


● Specifications

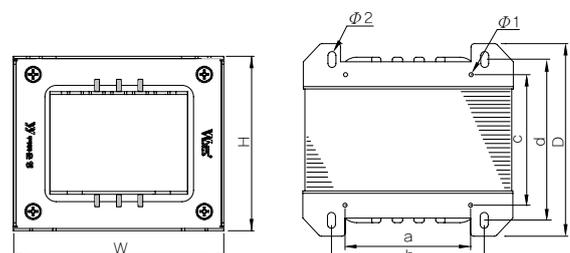
| MODEL NO. | TYPE | SPECIFICATIONS | VA | DIMENSIONS (m/m) | | | | | | | | | WEIGHT (kg) |
|--------------|------|---|-----|------------------|----|-----|----|----|----|----|-------------|---------|-------------|
| | | | | W | H | D | a | b | c | d | (a,c) Ø1 | Ø2 | |
| WYAU-10DO | WB | Pri(V) / Sec(V) 0-110-220 (0점COMMON) | 10 | 70 | 44 | 28 | 50 | 60 | 19 | - | - | 4 X 6 | 0,28 |
| WYAU-20DO | | | 20 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 |
| WYAU-50DO | | | 50 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 |
| WYAU - 75DO | WO | Pri(V) / Sec(V) 0 - 100 - 110 - 200 - 220 - 240 (0V : COMMON) | 75 | 78 | 69 | 83 | 42 | 57 | 46 | 63 | M4 | 5 X 12 | 1,34 |
| WYAU - 100DO | | | 100 | 78 | 69 | 88 | 42 | 57 | 56 | 68 | M4 | 5 X 12 | 1,79 |
| WYAU - 150DO | | | 150 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | M4 | 5 X 12 | 1,98 |
| WYAU - 200DO | | | 200 | 99 | 85 | 105 | 46 | 72 | 63 | 96 | M4 | 6 X 12 | 2,58 |
| WYAU - 300DO | | | 300 | 99 | 86 | 116 | 54 | 72 | 70 | 94 | M4 | 6 X 12 | 3,23 |

● Dimension

• WB Type



• WO Type



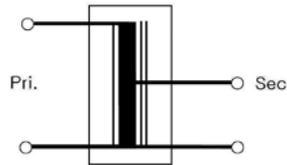
WYAU-DE Series (단권)

단상 단권형으로 입력 AC 220V 출력 AC 110V로 Lead-Wire로 제작되었으며 권선보호형 덮개 Type으로 분진, 습기가 많은 곳에서 사용하도록 제작 하였습니다.

Manufactured by lead wire, it is a single phase auto transformer with AC220V of input and AC110V of output. It can be used at the severe place of dust, vibration and humidity by protective cover of winding.



• Circuit Diagram

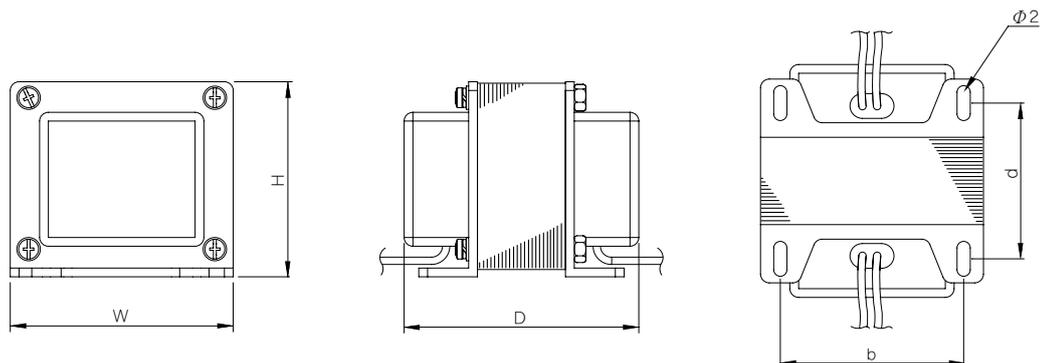


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | SUITABLE WIRE | | WEIGHT (kg) |
|--------------|------|-------------------------|-------------------------|-----|------------------|----|-----|------|------|-----|---------------------|---------------------|-------------|
| | | PRI. (V) | SEC.(V) | | W | H | D | b | d | Ø2 | PRI. | SEC. | |
| WYAU - 75DE | WE | 0-220 흑(BL) 적(RE) | 0-110 흑(BL) 갈(BR) | 75 | 78 | 68 | 81 | 64 | 54 | 4 1 | 0,75mm ² | 0,75mm ² | 1,30 |
| WYAU - 100DE | | | | 100 | 78 | 68 | 86 | 64 | 59 | 4 1 | | | 1,60 |
| WYAU - 150DE | | | | 150 | 89 | 75 | 101 | 76,5 | 67,5 | 5 4 | | | 1,95 |
| WYAU - 200DE | | | | 200 | 89 | 75 | 103 | 76,5 | 73 | 5 4 | | | 2,27 |
| WYAU - 300DE | | | | 300 | 99 | 85 | 113 | 79 | 80 | 5 5 | | | 3,20 |

● Dimension

• WP Type



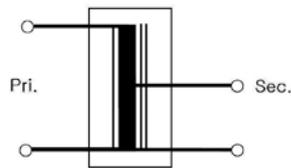
단상단권형으로 입력과 출력 전압이 한권선으로 전압탭을 인출하여 크기가 작고 가격이 저렴한 반면 사용이 제한되어 Lamp, Heater, Motor, Fan부하 등 단순 부하에 사용되나 콘트를 제어 위치제어 PLC, 각종 Noise에 영향을 받는 제품 사용시에는 오동작 우려가 있으니 신중하게 고려 하시기 바랍니다.

It is single phase and auto transformer that the primary and secondary windings are connected. So the size is small and the price is cheap but it is used simple load as Lamp, Heater, Motor and Fan.

Please consider carefully because it may malfunction when use to noise sensitive appliance to various controllers, position controller, PLC Etc.



• Circuit Diagram

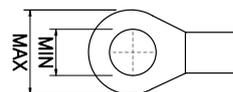


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|-------------|----------|---|------|------------------|-----|-----|-----|-----|-------|-----|----|----------|---------|-----|-------------|
| | | | | W | H | D | a | b | c | d | e | (a,c) Ø1 | Ø2 | M | |
| WYAU-10DWT | DIN-Rail | 0-110-220-380-440 (0 : COMMON) | 10 | 81 | 100 | 50 | - | 63 | - | 38 | 7 | - | 5 X 7 | 5 | 0,75 |
| WYAU-50DWT | | | 50 | 94 | 77 | 61 | 72 | 80 | 37 | - | 7 | - | 5 X 7,5 | 3 | 0,78 |
| WYAU-75DW | WT | Pri(V) / Sec(V) 0-110-220-380-420-440-460 (0V : COMMON) | 75 | 79 | 89 | 83 | 42 | 57 | 48,5 | 63 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,31 |
| WYAU-100DW | | | 100 | 79 | 89 | 88 | 42 | 57 | 53,5 | 68 | 7 | Ø3,6 | 5 X 12 | 3,5 | 1,65 |
| WYAU-150DW | | | 150 | 89 | 98 | 105 | 46 | 64 | 62 | 83 | 7 | Ø3,6 | 5 X 12 | 3,5 | 2,30 |
| WYAU-200DW | | | 200 | 98 | 106 | 105 | 54 | 72 | 61 | 88 | 7 | Ø3,6 | 6 X 12 | 3,5 | 2,59 |
| WYAU-300DW | | | 300 | 98 | 106 | 113 | 54 | 72 | 68 | 94 | 7 | Ø3,6 | 6 X 12 | 3,5 | 3,23 |
| WYAU-500DW | | | 500 | 121 | 122 | 114 | 66 | 84 | 73 | 95 | 10 | Ø3,6 | 5 X 10 | 4 | 4,97 |
| WYAU-1KDW | | | 1K | 140 | 140 | 126 | 82 | 98 | 79,5 | 105 | 10 | Ø3,6 | 6 X 12 | 4 | 7,10 |
| WYAU-2KDW | | | 2K | 160 | 160 | 157 | 96 | 114 | 100,5 | 135 | 10 | Ø4,3 | 6 X 13 | 4 | 12,30 |
| WYAU-3KDW | | | 3K | 185 | 188 | 151 | 110 | 134 | 95 | 123 | 16 | Ø4,3 | 7 X 14 | 6 | 16,50 |
| WYAU-5KDW | | | 5K | 219 | 250 | 170 | - | 120 | - | 135 | 16 | - | 10 X 30 | 6 | 26,70 |
| WYAU-7,5KDW | | | 7,5K | 245 | 240 | 188 | - | 120 | - | 158 | 16 | - | 10 X 30 | 6 | 33,50 |
| WYAU-10KDW | | | 10K | 245 | 240 | 192 | - | 180 | - | 165 | 16 | - | 10 X 30 | 6 | 40,20 |
| WYAU-15KDW | | | 15K | 275 | 272 | 231 | 110 | 180 | 110 | 175 | 16 | - | 10 X 35 | 6 | 52,00 |
| WYAU-20KDW | | | 20K | 310 | 305 | 250 | - | 220 | - | 160 | 16 | - | 10 X 30 | 6 | 68,00 |
| WYAU-30KDW | | | 30K | 310 | 305 | 280 | - | 220 | - | 180 | 16 | - | 10 X 35 | 6 | 91,90 |
| WYAU-40KDW | | | 40K | 360 | 385 | 360 | - | 270 | - | 200 | 20 | - | 12 X 35 | 8 | 102,00 |
| WYAU-50KDW | | | 50K | 380 | 490 | 350 | - | 280 | - | 230 | 20 | - | 12 X 35 | 8 | 112,30 |

※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)

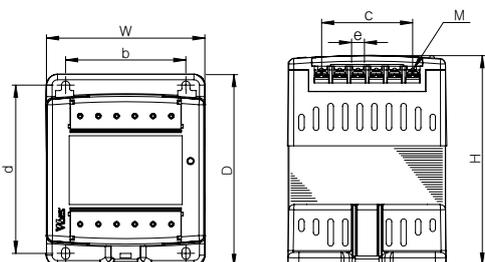
● Terminal



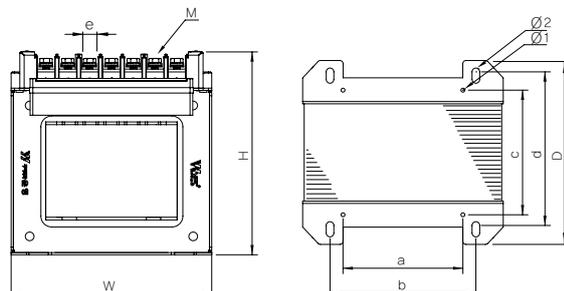
75~300VA : Max 6, Min 3.5
 500VA~2kVA : Max 9, Min 4
 3~30kVA : Max 15, Min 6
 40~50kVA : Max 19, Min 8

● Dimension

• DIN-Rail Type



• WT Type



노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANSFORMER

수동형인버터 AHF

수동형인버터 PHF

마이크로서지필터 MSF

영상고주파필터 ZHF

서지보호기 SPD

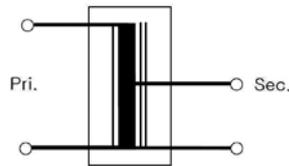
WYAU-DWO Series (단권)

단상 단권형으로 입력 AC380V, 440V, 출력 AC110V, 220V로 탭식으로 일반 전원용으로 제작되었으며 복권식에 비해 1, 2차 구분없이 한개의 권선에서 인출된 권선 방식으로 제작 되었습니다.

With a single phase, it has been manufactured for general electric source with AC380V, 440V of input voltage and AC110V, 220V of output by soldering type. It is produced by auto transformer type from one coil without classification of the primary and secondary.



• Circuit Diagram

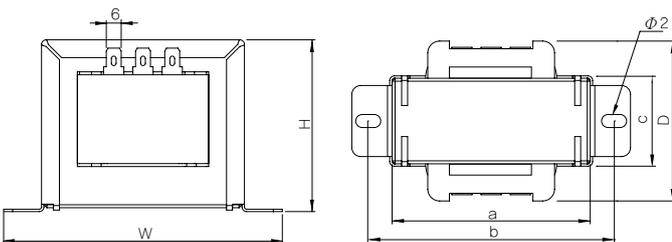


● Specifications

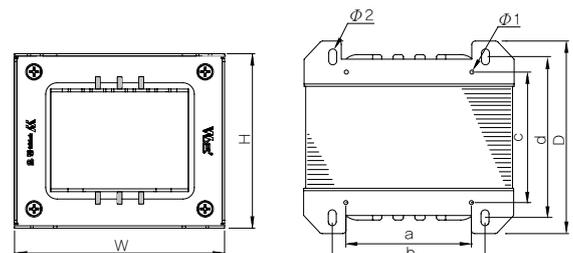
| MODEL NO. | TYPE | SPECIFICATIONS | VA | DIMENSIONS (m/m) | | | | | | | | | | WEIGHT (kg) |
|-------------|------|---|-----|------------------|----|-----|----|----|----|----|----------|---------|------|-------------|
| | | | | W | H | D | a | b | c | d | (a.c) Ø1 | Ø2 | | |
| WYAU-10DWO | WB | Pri(V) / Sec(V) | 10 | 70 | 44 | 38 | 50 | 60 | 19 | - | - | 4 X 6 | 0,28 | |
| WYAU-20DWO | | 0-110-220-380-440 | 20 | 85 | 52 | 44 | 59 | 72 | 23 | - | - | 4,5 X 7 | 0,45 | |
| WYAU-50DWO | | (0V : COMMON) | 50 | 95 | 60 | 55 | 69 | 81 | 31 | - | - | 5 X 7 | 0,78 | |
| WYAU-75DWO | WO | Pri(V) / Sec(V) 0-110-220-380-420-440-460 (0V : COMMON) | 75 | 78 | 69 | 83 | 42 | 57 | 46 | 63 | M4 | 5 X 12 | 1,34 | |
| WYAU-100DWO | | | 100 | 78 | 69 | 88 | 42 | 57 | 56 | 68 | M4 | 5 X 12 | 1,79 | |
| WYAU-150DWO | | | 150 | 88 | 78 | 103 | 46 | 64 | 58 | 80 | M4 | 5 X 12 | 1,98 | |
| WYAU-200DWO | | | 200 | 99 | 85 | 105 | 46 | 72 | 63 | 96 | M4 | 6 X 12 | 2,58 | |
| WYAU-300DWO | | | 300 | 99 | 86 | 116 | 54 | 72 | 70 | 94 | M4 | 6 X 12 | 3,23 | |

● Dimension

• WB Type



• WO Type



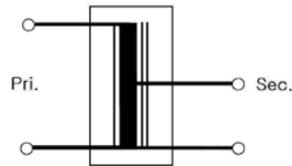
WYAU-DWE Series (단권)

단상 단권형으로 입력 AC380/440V 출력 AC 220V로 Lead-Wire로 제작되었으며 권선보호형 덮개형으로 분진, 습기가 많은 곳에서 사용하도록 제작 하였습니다.

It is a single phase auto transformer with AC380V/440V and 220V of output. It has been withdrawn by lead wire manufactured to be used at the place of server dust and humidity and vibration etc. By use of the cover of winding protector.



• Circuit Diagram

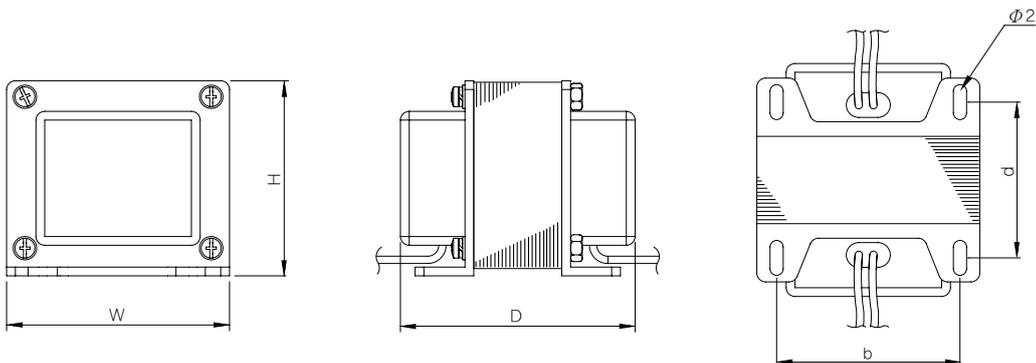


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | SUITABLE WIRE | | WEIGHT (kg) |
|--------------|------|---|--------------------------|-----|------------------|-----|-----|------|------|--------|---------------------|---------------------|-------------|
| | | PRI. (V) | SEC.(V) | | W | H | D | b | d | Ø2 | PRI. | SEC. | |
| WYAU- 75DWE | WE | 0-380-440 흑(BL) 녹(GREEN) 갈(BR) | 0-220 흑(BL) 적(RED) | 75 | 78 | 68 | 81 | 64 | 54 | 4 X 11 | 0.75mm ² | 0.75mm ² | 1.30 |
| WYAU-100DWE | | | | 100 | 78 | 68 | 86 | 64 | 59 | 4 X 11 | | | 1.60 |
| WYAU- 150DWE | | | | 150 | 89 | 75 | 101 | 76.5 | 67.5 | 5 X 14 | | | 1.95 |
| WYAU- 200DWE | | | | 200 | 89 | 75 | 103 | 76.5 | 73 | 5 X 14 | | | 2.27 |
| WYAU- 300DWE | | | | 300 | 99 | 85 | 113 | 79 | 80 | 5 X 15 | | | 3.20 |
| WYAU- 500DWE | | | | 500 | 118 | 99 | 115 | 102 | 78 | 5 X 12 | | | 4.78 |
| WYAU- 1KDWE | | | | 1K | 137 | 115 | 119 | 116 | 81 | 5 X 12 | | | 6.89 |

● Dimension

• WP Type



노이즈컷트랜스

리액터 REACTOR

트랜스포머 TRANS.

수용용필터 AHF

수용용필터 PHF

마이크로서지필터 MSF

영상고조파필터 ZHF

서지보호기 SPD

3Ø 트랜스포머

3Ø Auto. & Isolation Transformer



- 3Ø 복권 트랜스포머
3Ø-Isolation Transformer



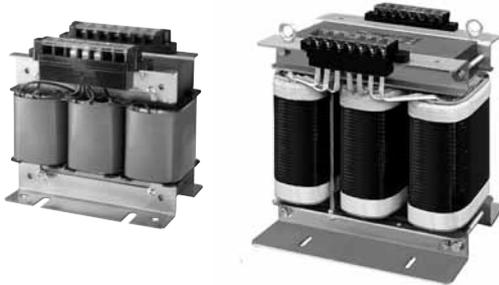
- 3Ø 단권 트랜스포머
3Ø-Auto Transformer

WY3P-W Series (삼상복권)

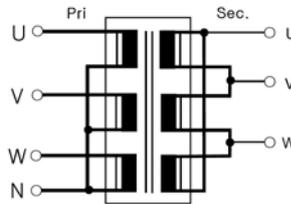
CE RoHS

삼상 복권형으로 입력 AC 380V,440V 에 Y결선, 출력 AC220V에 Δ 결선(DY11)형으로 제작하였으며, 소형부터 대형까지 전문화된 제품으로 단자대(Terminal Block)등으로 제작 하였으며 전 모델에 대하여 CE를 획득하여 소비자의 선택의 폭을 다양화 하였으며 절연방식은 B종이며 F, H 종은 주문에 의해 제작합니다.

This transformer is three phase isolation transformer and input voltage is AC380V, 440V Y connection, output voltage is AC220V delta connection. it has terminal block system and Insulation class is B. also acquired CE certification all model from small to large capacity. insulation class F and H is available order made.



• Circuit Diagram



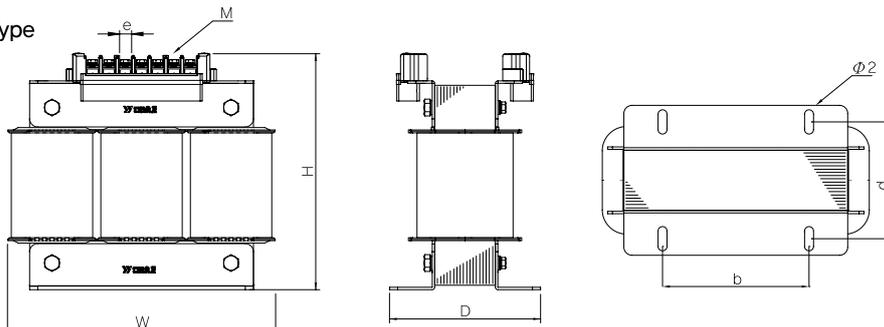
● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | | WEIGHT (kg) |
|--|------|----------------|--------------|------|------------------|-----|-----|-----|-----|---|-----|----|----------|----------|---|-------------|
| | | PRIMARY (V) | SECONDARY(V) | | W | H | D | a | b | c | d | e | (a.c) Ø1 | Ø2 | M | |
| •3P 380V · 440V Line → 220V Line Double Winding Series (복권형) | | | | | | | | | | | | | | | | |
| WY3P-100W | W3PT | △-N 380-440 | △ 220 | 100 | 140 | 127 | 87 | - | 103 | - | 45 | 10 | Ø5,5 | 5,5 X 10 | 4 | 2,60 |
| WY3P-200W | | | | 200 | 140 | 130 | 100 | - | 103 | - | 60 | 10 | Ø4,3 | 5,5 X 15 | 4 | 5,00 |
| WY3P-300W | | | | 300 | 155 | 145 | 108 | - | 104 | - | 90 | 10 | Ø4,3 | 5,5 X 15 | 4 | 6,00 |
| WY3P-500W | | | | 500 | 190 | 180 | 105 | - | 130 | - | 90 | 10 | Ø4,3 | 5,0 X 15 | 4 | 8,00 |
| WY3P-1KW | | | | 1K | 195 | 180 | 126 | - | 130 | - | 109 | 10 | Ø4,3 | 5,0 X 15 | 4 | 13,00 |
| WY3P-1,5KW | | | | 1,5K | 240 | 210 | 145 | - | 120 | - | 115 | 10 | - | 10 X 20 | 4 | 18,60 |
| WY3P-2KW | | | | 2K | 240 | 210 | 145 | - | 120 | - | 115 | 10 | - | 10 X 20 | 4 | 20,00 |
| WY3P-3KW | | | | 3K | 275 | 250 | 175 | - | 120 | - | 130 | 10 | - | 10 X 20 | 4 | 30,50 |
| WY3P-5KW | | | | 5K | 330 | 290 | 190 | - | 180 | - | 160 | 10 | - | 10 X 20 | 4 | 45,00 |
| WY3P-7,5KW | | | | 7,5K | 330 | 290 | 215 | - | 180 | - | 185 | 10 | - | 10 X 20 | 4 | 59,00 |
| WY3P-10KW | | | | 10K | 375 | 311 | 236 | - | 180 | - | 208 | 10 | - | 10 X 20 | 4 | 73,50 |
| WY3P-15KW | | | | 15K | 390 | 330 | 230 | - | 180 | - | 205 | 16 | - | 13 X 25 | 6 | 92,00 |
| WY3P-20KW | | | | 20K | 430 | 390 | 260 | - | 205 | - | 195 | 16 | - | 13 X 40 | 6 | 101,5 |
| WY3P-30KW | | | | 30K | 450 | 450 | 330 | - | 225 | - | 220 | 16 | - | 10 X 40 | 6 | 139,00 |
| WY3P-40KW | | | | 40K | 500 | 510 | 360 | - | 240 | - | 210 | 20 | - | 13 | 8 | 175,00 |
| WY3P-50KW | | | | 50K | 500 | 510 | 390 | - | 240 | - | 225 | 20 | - | 13 | 8 | 192,00 |
| WY3P-75KW | | | | 75K | 550 | 550 | 460 | - | 340 | - | 235 | 20 | - | 13 | 8 | 272,00 |
| WY3P-100KW | 100K | 580 | 600 | 430 | - | 420 | - | 240 | - | - | 16 | - | 336,00 | | | |
| WY3P-150KW | 150K | 690 | 680 | 550 | - | 350 | - | 280 | - | - | 16 | - | 530,00 | | | |

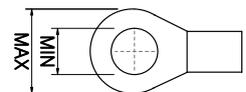
※ 3KVA 이상 "I" Bolt 부착 (Attach an "I" bolt for 3KVA or larger)

● Dimension

• WP Type



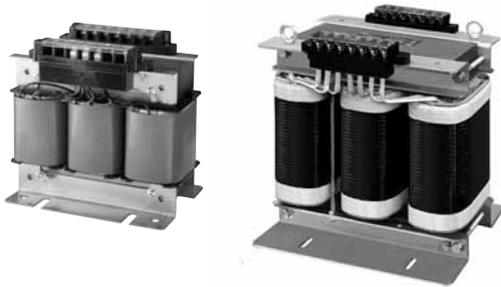
● Terminal



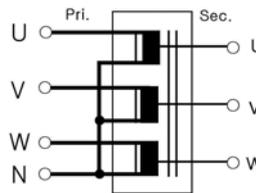
100VA~10kVA : Max 9, Min 4
 15~30kVA : Max 15, Min 6
 40~150kVA : Max 19, Min 8

삼상 단권형으로 입력 AC 380V, 440V 출력 AC 220V로 복권형에 비해 1, 2차 구분없이 1개의 권선에서 Tap을 인출한 방식으로 결선은 Y 결선으로 되어있으며 단자대(Terminal Block)등으로 제작 되었습니다.

This transformer inputs is AC 380V, 440V and output is AC220V as three phase auto transformer Y connection system. it became tapped input and output from same single winding. it has terminal block for easy wiring work.



• Circuit Diagram



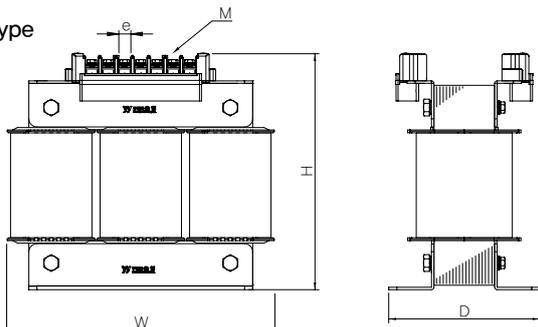
Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | | | | | WEIGHT (kg) | |
|--|------|--------------------|---------|------|------------------|-----|-----|-----|-----|---|---------|----|----------|----------|-------------|--------|
| | | PRI.(V) | SEC.(V) | | W | H | D | a | b | c | d | e | (a,c) Ø1 | Ø2 | | M |
| *3P380V · 440V Line → 220V Line Single winding Series(단권형) | | | | | | | | | | | | | | | | |
| WY3P-200AU | W3PT | N- 220-380-440 | | 200 | 135 | 132 | 86 | - | 102 | - | 65 | 10 | Ø5,5 | 5,5 X 10 | 4 | 2,60 |
| WY3P-300AU | | | | 300 | 140 | 130 | 100 | - | 104 | - | 66 | 10 | Ø4,3 | 5,5 X 10 | 4 | 5,76 |
| WY3P-500AU | | | | 500 | 140 | 130 | 105 | - | 104 | - | 66 | 10 | Ø4,3 | 5,5 X 10 | 4 | 7,20 |
| WY3P-1KAU | | | | 1K | 190 | 180 | 105 | - | 130 | - | 90 | 10 | Ø4,3 | 5 X 15 | 4 | 8,00 |
| WY3P-2KAU | | | | 2K | 195 | 180 | 126 | - | 130 | - | 99 | 10 | Ø4,3 | 5 X 15 | 4 | 13,00 |
| WY3P-3KAU | | | | 3K | 240 | 210 | 145 | - | 120 | - | 115 | 10 | Ø9,3 | 10 X 30 | 4 | 19,20 |
| WY3P-5KAU | | | | 5K | 275 | 250 | 175 | - | 120 | - | 130 | 10 | - | 10 X 20 | 4 | 32,00 |
| WY3P-7,5KAU | | | | 7,5K | 275 | 250 | 175 | - | 120 | - | 130 | 10 | - | 10 X 20 | 4 | 36,00 |
| WY3P-10KAU | | | | 10K | 330 | 290 | 190 | - | 180 | - | 160 | 10 | - | 10 X 20 | 4 | 46,00 |
| WY3P-15KAU | | | | 15K | 330 | 290 | 215 | - | 180 | - | 185 | 10 | - | 10 X 20 | 4 | 59,00 |
| WY3P-20KAU | | | | 20K | 375 | 311 | 236 | - | 180 | - | 208 | 10 | - | 10 X 20 | 4 | 77,00 |
| WY3P-30KAU | 30K | 390 | 330 | 230 | - | 180 | - | 205 | 16 | - | 12 X 25 | 6 | 92,00 | | | |
| WY3P-40KAU | W3PT | N- 220-380-440-460 | | 40K | 430 | 390 | 260 | - | 205 | - | 195 | 20 | - | 13 X 40 | 8 | 101,5 |
| WY3P-50KAU | | | | 50K | 450 | 450 | 330 | - | 225 | - | 210 | 20 | - | 10 X 40 | 8 | 110,00 |
| WY3P-75KAU | | | | 75K | 500 | 510 | 360 | - | 240 | - | 210 | 20 | - | 13 | 8 | 137,00 |
| WY3P-100KAU | | | | 100K | 500 | 510 | 390 | - | 240 | - | 225 | - | - | 13 | - | 192,00 |
| WY3P-150KAU | | | | 150K | 570 | 500 | 420 | - | 360 | - | 230 | - | - | 13 | - | 272,00 |
| WY3P-200KAU | | | | 200K | 650 | 700 | 400 | - | 420 | - | 220 | - | - | 16 | - | 336,00 |
| WY3P-300KAU | | | | 300K | 710 | 800 | 500 | - | 500 | - | 270 | - | - | 16 | - | 530,00 |

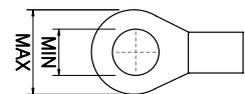
※ 3KVA 이상 " I " Bolt 부착 (Attach an " I " bolt for 3KVA or larger)

Dimension

• WP Type



Terminal



100VA~10kVA : Max 9, Min 4
 15~30kVA : Max 15, Min 6
 40~150kVA : Max 19, Min 8

노이즈컷트랜스

REACTOR 리액터

TRANS. 트랜스포머

A H F

P H F

MSF 마이크로서지필터

Z H F 영상고조파필터

SPD 서지보호기

1Ø, 3Ø 외함형 트랜스포머

1Ø, 3Ø Case Type Transformer



- 1Ø 복권, 단권 케이스형 트랜스포머
1 Phase Isolation & Auto Transformer

- 3Ø 복권, 단권 외함 케이스형 트랜스포머
3 Phase Isolation & Auto Transformer



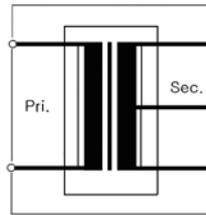
WYC Series (단상복권)



단상, 복권형으로 일반 Dry Type으로 Casing화 하여 전면에는 Lamp V-M, A-M, NFB 등을 부착하였으며 작업자의 작업성을 고려하여 뒷면은 Door 식으로 하여 단자대(Terminal Block)를 부착하여 작업의 편리성을 증대 하였으며 운반이 용이하도록 Panel에는 운반용 바퀴로 제작 하였습니다.

It is single phase, isolation transformer type and combined Casing is made by general dry type. Lamp V-M, A-M and NFB are affixed at the front. For convenience of the operator, door is made at the back and terminal block is attached to increase the convenience of operation. Caster for transportation is available for easy move.

• Circuit Diagram



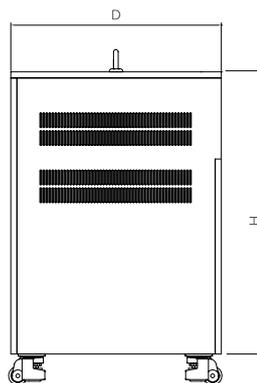
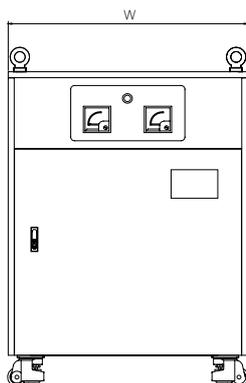
● Specifications

| MODELNO. | SPECIFICATIONS | | KVA | DIMENSIONS(m/m) | | | PHASE | RATING VOLTAGE(V) | WEIGHT (kg) |
|--|----------------|---------|-----------|-----------------|-----|-----|-------------------------------|----------------------------------|-------------|
| | PRI.(V) | SEC.(V) | | W | H | D | | | |
| *1P 복권형220V →110V LINE 380V / 440V → 220V LINE | | | | | | | | | |
| WY21C-1KA | 0-220 | 0-110 | 1 | 240 | 320 | 375 | 1Ø 복권식 (DOUBLE WINDING) | PRI : 220(V) SEC : 110(V) | 20,00 |
| WY21C-2KA | | | 2 | | | | | | 30,00 |
| WY21C-3KA | | | 3 | 40,00 | | | | | |
| WY21C-5KA | | | 5 | 55,00 | | | | | |
| WY21C-7,5KA | | | 7,5 | 74,00 | | | | | |
| WY21C-10KA | | | 10 | 85,00 | | | | | |
| WY21C-15KA | | | 15 | 140,00 | | | | | |
| WY21C-20KA | | | 20 | 160,00 | | | | | |
| WY21C-30KA | | | 30 | 190,00 | | | | | |
| WY21C-40KA | | | 40 | 250,00 | | | | | |
| WY21C-50KA | | | 50 | 255,00 | | | | | |
| WY42C-1KAW | | | 0-380-440 | 0-110-220(E) | 1 | 240 | | 320 | 375 |
| WY42C-2KAW | 2 | 30,00 | | | | | | | |
| WY42C-3KAW | 3 | 40,00 | | | | | | | |
| WY42C-5KAW | 5 | 55,00 | | | | | | | |
| WY42C-7,5KAW | 7,5 | 74,00 | | | | | | | |
| WY42C-10KAW | 10 | 85,00 | | | | | | | |
| WY42C-15KAW | 15 | 140,00 | | | | | | | |
| WY42C-20KAW | 20 | 160,00 | | | | | | | |
| WY42C-30KAW | 30 | 190,00 | | | | | | | |
| WY42C-40KAW | 40 | 250,00 | | | | | | | |
| WY42C-50KAW | 50 | 255,00 | | | | | | | |

※Order Production : More then 75KVA

● Dimension

• WYC Type



- * 부착물: 1Phase 1kVA~3kVA P/L
1Phase 5kVA~50kVA P/L, A, V, NFB
- * 주문시 CASE 색상 지정 가능
When ordering, you can select color of case
- * 1~7.5kVA 는 상단부 I Bolt(행거)없음
1~7.5kVA don' t have I Bolt(Hanger)

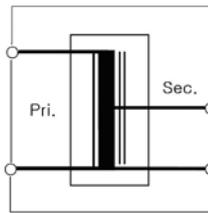
WYC Series (단상단권)



단상, 단권형으로 일반 Dry Type으로 Casing화 하여 전면에는 Lamp V-M, A-M, NFB 등을 부착하였으며 작업자의 작업성을 고려하여 뒷면은 Door 식으로 하여 단자대(Terminal Block)를 부착하여 작업의 편리성을 증대 하였으며 운반이 용이하도록 Panel에는 운반용 바퀴로 제작 하였습니다.

It is single phase, auto transformer and combined Casing is made by general dry type. Lamp V-M, A-M and NFB are affixed at the front. For convenience of the operator, door is made at the back and terminal block is attached to increase the convenience of operation. Caster for transportation is available for easy move.

• Circuit Diagram



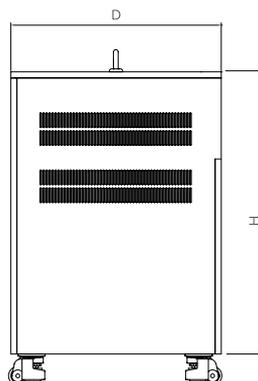
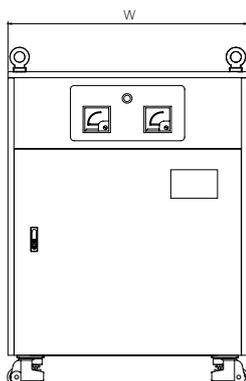
● Specifications

| MODELNO. | SPECIFICATIONS | | KVA | DIMENSIONS(m/m) | | | PHASE | RATING VOLTAGE(V) | WEIGHT (kg) | |
|--|--|---------|------------------------------------|-----------------|-----|-----|----------------------------------|----------------------------------|-------------|--------|
| | PRI.(V) | SEC.(V) | | W | H | D | | | | |
| *1P 단권형220V → 110V LINE 380V / 440V → 220V LINE | | | | | | | | | | |
| WY21C-2KD | 0-100-110-200-220-240 (0V : COMMON) | | 2 | 240 | 320 | 375 | 1Ø 단권식 (SINGLE WINDING) | PRI : 220(V) SEC : 110(V) | 20,00 | |
| WY21C-3KD | | | 3 | | | | | | 26,00 | |
| WY21C-5KD | | | 5 | | | | | | 35,00 | |
| WY21C-7,5KD | | | 7,5 | 380 | 460 | 450 | | | 50,00 | |
| WY21C-10KD | | | 10 | | | | | | | 55,00 |
| WY21C-15KD | | | 15 | 400 | 520 | 480 | | | 74,00 | |
| WY21C-20KD | | | 20 | | | | | | | 85,00 |
| WY21C-30KD | | | 30 | | | | | | | 105,00 |
| WY21C-40KD | | | 40 | | | | | | | 140,00 |
| WY21C-50KD | | | 50 | 180,00 | | | | | | |
| WY42C-2KDW | | | 0-110-220-380-440 (0V : COMMON) | | 2 | 240 | | | 320 | 375 |
| WY42C-3KDW | 3 | 26,00 | | | | | | | | |
| WY42C-5KDW | 5 | 35,00 | | | | | | | | |
| WY42C-7,5KDW | 7,5 | 380 | | | 550 | 430 | 50,00 | | | |
| WY42C-10KDW | 10 | | | | | | | 55,00 | | |
| WY42C-15KDW | 15 | 400 | | | 520 | 480 | 74,00 | | | |
| WY42C-20KDW | 20 | | | | | | | 85,00 | | |
| WY42C-30KDW | 30 | | | | | | | 105,00 | | |
| WY42C-40KDW | 40 | | | | | | | 140,00 | | |
| WY42C-50KDW | 50 | 180,00 | | | | | | | | |

*Order Production : More then 75KVA

● Dimension

• WYC Type



* 부착물: 1Phase 1kVA~5kVA P/L
1Phase 7,5kVA~50kVA P/L ,A, V, NFB

* 주문시 CASE 색상 지정 가능
When ordering, you can select color of cas

* 2~15kVA 는 상단부 1 Bolt(행거)없음
2~15kVA don' t have 1 Bolt(Hanger)

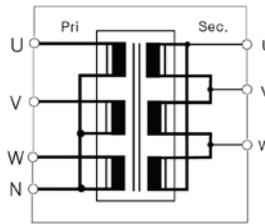
WYC Series (삼상복권)



삼상 복권형으로 일반 Dry Type으로 Casing화 하여 전면에는 Lamp V-M, A-M, NFB 등을 부착하였으며 작업자의 작업성을 고려하여 뒷면은 Door 식으로 하여 단자대 (Terminal Block)를 부착하여 작업의 편리성을 증대 하였으며 운반이 용이하도록 Panel 에는 운반용 바퀴로 제작 하였습니다.

It is three phase, isolation transformer type and combined Casing is made by general dry type. Lamp V-M, A-M and NFB are affixed at the front. For convenience of the operator, door is made at the back and terminal block is attached to increase the convenience of operation. Caster for transportation is available for easy move.

• Circuit Diagram



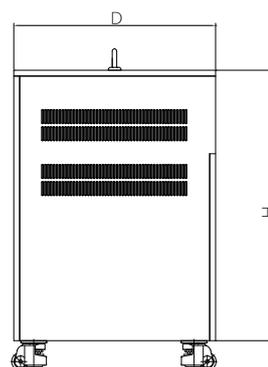
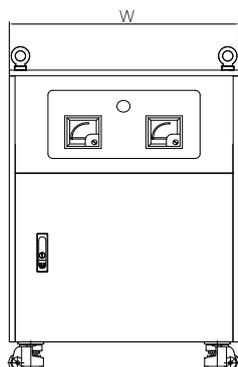
● Specifications

| MODEL NO. | SPECIFICATIONS | | KVA | DIMENSIONS(m/m) | | | PHASE | RATING VOLTAGE (V) | WEIGHT (kg) |
|--------------------------------|------------------|----------|-----|-----------------|------|-----|----------------------------------|----------------------------------|-------------|
| | PRI.(V) | SEC.(V) | | W | H | D | | | |
| • 3P 복권형 380V/440V → 220V LINE | | | | | | | | | |
| WY3PC - 1KW | 380-440 Y - n | 220 Δ | 1 | 240 | 320 | 375 | 3Ø 복권식 (DOUBLE WINDING) | PRI : 380/440(V) SEC : 220(V) | 30,00 |
| WY3PC - 2KW | | | 2 | 300 | 350 | 300 | | | 40,00 |
| WY3PC - 3KW | | | 3 | 350 | 450 | 350 | | | 50,00 |
| WY3PC - 5KW | | | 5 | 380 | 550 | 430 | | | 71,00 |
| WY3PC - 7,5KW | | | 7,5 | | | | | | 84,00 |
| WY3PC - 10KW | | | 10 | 430 | 550 | 450 | | | 98,00 |
| WY3PC - 15KW | | | 15 | 450 | 600 | 450 | | | 126,00 |
| WY3PC - 20KW | | | 20 | 500 | 650 | 530 | | | 141,00 |
| WY3PC - 30KW | | | 30 | 550 | 700 | 530 | | | 183,00 |
| WY3PC - 40KW | | | 40 | 600 | 800 | 560 | | | 226,00 |
| WY3PC - 50KW | | | 50 | | | | | | 235,00 |
| WY3PC - 75KW | | | 75 | 650 | 850 | 600 | | | 360,00 |
| WY3PC - 100KW | | | 100 | 750 | 850 | 650 | | | 430,00 |
| WY3PC - 150KW | | | 150 | 850 | 1050 | 800 | | | 530,00 |

※ Order Production : More then 150KVA

● Dimension

• WYC Type



- * 부착물: 3Phase 1kVA~3kVA P/L
3Phase 5kVA~100kVA P/L, A, V, NFB
- * 주문시 CASE 색상 지정 가능
When ordering, you can select color of case
- * 1~10kVA 는 상단부 1 Bolt(행거)없음
1~10kVA don't have 1 Bolt(Hanger)

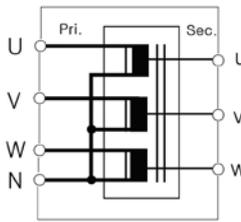
WYC Series (삼상단권)



삼상, 단권형으로 일반 Dry Type으로 Casing화 하여 전면에는 Lamp V-M, A-M, NFB 등을 부착하였으며 작업자의 작업성을 고려하여 뒷면은 Door 식으로 하여 단자대 (Terminal Block)를 부착하여 작업의 편리성을 증대 하였으며 운반이 용이하도록 Panel 에는 운반용 바퀴로 제작 하였습니다.

It is three phase, auto transformer type and combined Casing is made by general dry type. Lamp V-M, A-M and NFB are affixed at the front. For convenience of the operator, door is made at the back and terminal block is attached to increase the convenience of operation. Caster for transportation is available for easy move.

• Circuit Diagram



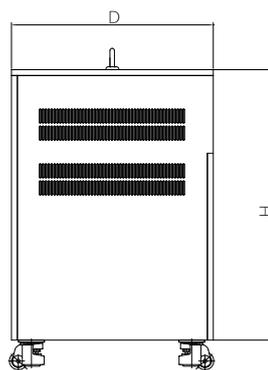
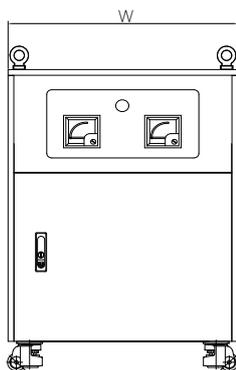
Specifications

| MODEL NO. | SPECIFICATIONS | | KVA | DIMENSIONS(m/m) | | | PHASE | RATING VOLTAGE (V) | WEIGHT (kg) |
|--------------------------------|----------------------|---------|-----|-----------------|-----|-----|----------------------------------|--------------------------------------|-------------|
| | PRI.(V) | SEC.(V) | | W | H | D | | | |
| • 3P 단권형 380V/440V → 220V LINE | | | | | | | | | |
| WY3PC - 2KAU | 220-380-440 Y - n | | 2 | 240 | 320 | 375 | 3Ø 단권식 (SINGLE WINDING) | PRI : 380/440(V) SEC : 220(V) | 30,00 |
| WY3PC - 3KAU | | | 3 | 300 | 350 | 300 | | | 33,00 |
| WY3PC - 5KAU | | | 5 | 350 | 450 | 350 | | | 36,00 |
| WY3PC - 7,5KAU | | | 7,5 | 380 | 550 | 430 | | | 43,00 |
| WY3PC - 10KAU | | | 10 | | | | | | 64,00 |
| WY3PC - 15KAU | | | 15 | 73,00 | | | | | |
| WY3PC - 20KAU | | | 20 | 430 | 550 | 450 | | | 87,00 |
| WY3PC - 30KAU | | | 30 | 450 | 600 | 450 | | | 95,00 |
| WY3PC - 40KAU | | | 40 | 500 | 650 | 530 | | | 110,00 |
| WY3PC - 50KAU | | | 50 | 550 | 700 | 530 | | | 133,00 |
| WY3PC - 75KAU | | | 75 | 600 | 800 | 560 | | | 200,00 |
| WY3PC - 100KAU | | | 100 | | | | | | 230,00 |
| WY3PC - 150KAU | | | 150 | 650 | 850 | 600 | | | 312,00 |
| WY3PC - 200KAU | | | 200 | 750 | 850 | 650 | | | 390,00 |

※Order Production : More then 150KVA

Dimension

• WYC Type



- * 부착물: 3Phase 1kVA~3kVA P/L
3Phase 5kVA~100kVA P/L, A, V, NFB
- * 주문시 CASE 색상 지정 가능
When ordering, you can select color of case
- * 2~20kVA 는 상단부 I Bolt(행거)없음
2~20kVA don't have I Bolt(Hanger)

1Ø DC 출력형 트랜스포머

DC Power Transformer

Input : AC 220V

Output : DC12, 24, 110V

DC Power Transformer

• WYDC-Series



DC POWER TRANSFORMER

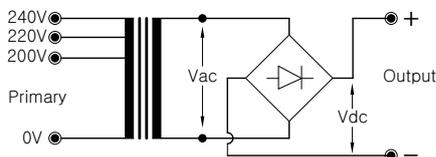
WYDC-AP Series (DC Power Supply)



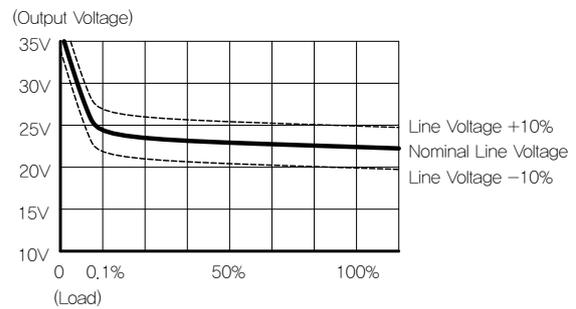
DC Transformer는 입력AC220V, 출력DC24V 또는 DC110V로, Transformer에 정류회로를 일체형으로 제작하여 모터의 클러치, 조작용 램프, 릴레이 등에 사용합니다.

The DC transformer features input of AC220V and output of DC24V and 100V. It has rectification circuit and the smoothing circuit and is used for clutches, lamps and relays.

● Component Symbol



● Load Regulation Curve

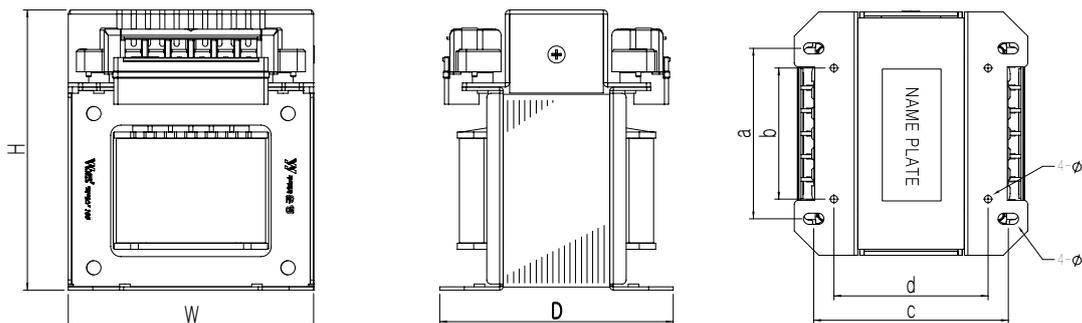


● Specification

| MODEL NO. | SPECIFICATIONS | | CAPA. (VA) | CURR. (A) | DIMENSIONS (mm) | | | | | | | | | WEIGHT (kg) |
|---------------|----------------|---------|------------|-----------|-----------------|-----|-----|------|------|-------|-------|------|--------|-------------|
| | PRI.(V) | SEC.(V) | | | W | H | D | a | b | c | d | Ø1 | Ø2 | |
| WYDC-22450AP | 0-220 | DC 24V | 50 | 2,1A | 80 | 100 | 87 | 53,4 | 42 | 66,5 | 53,5 | Ø3,6 | 5×12 | 1,75 |
| WYDC-224100AP | | | 100 | 4,15A | 103 | 119 | 107 | 72 | 53,8 | 85,5 | 62,5 | Ø3,6 | 6×12 | 2,7 |
| WYDC-224150AP | | | 150 | 6,25A | 110 | 130 | 104 | 76,5 | 57,9 | 87,2 | 65,4 | Ø3,6 | 5,5×10 | 3,85 |
| WYDC-224200AP | | | 200 | 8,33A | 120 | 138 | 114 | 84 | 64,9 | 95,2 | 75,4 | Ø3,6 | 5,5×10 | 5,12 |
| WYDC-224300AP | | | 300 | 12,5A | 140 | 156 | 123 | 97,9 | 83 | 107,7 | 81,9 | Ø3,6 | 6×12 | 7,3 |
| WYDC-211500AP | | DC 110V | 500 | 4,5A | 140 | 156 | 123 | 97,9 | 83 | 107,7 | 81,9 | Ø3,6 | 6×12 | 7,3 |
| WYDC-2111KAP | | | 1K | 9,1A | 160 | 183 | 156 | 114 | 95,9 | 133,5 | 101,7 | Ø3,6 | 6×13 | 12,6 |

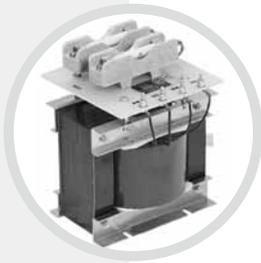
※ 기타사양은 주문에 의함.

● Dimension



1Ø 고압 및 센서 트랜스포머

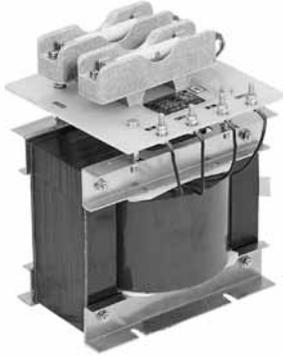
High Voltage & Sensor Type Transformer



- 1Ø 고압(3.3kV~6.6kV) 트랜스포머
High Voltage Type Transformer
- 동기형 위상 트랜스포머
Synchro Phase Control Transformer
- 펄스 트랜스포머
Pulse Transformer
- 전류센서(CT)
Current Transformer (Sensor)

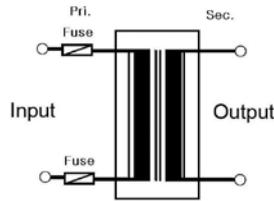
WYPT-H Series WPT Type

단상 복권형이며 계기용 P.T로서 입력 AC 3300V, 6600V 출력 AC110, 220V로서 상단에는 회로 보호용 고압 Fuse를 부착하였으며, Coil 부분은 Molding 처리하여 고압측과 저압측의 소손을 방지한 제품으로 제작 하였습니다.



It is a single phase, isolation transformer and P.T for meter with AC3300V, 6600V Input and AC110, 220V of output. High Voltage fuse to protect circuit has been affixed to the top. Winding is treated by molding in order to prevent damage from high Voltage side and low Voltage side.

• Circuit Diagram

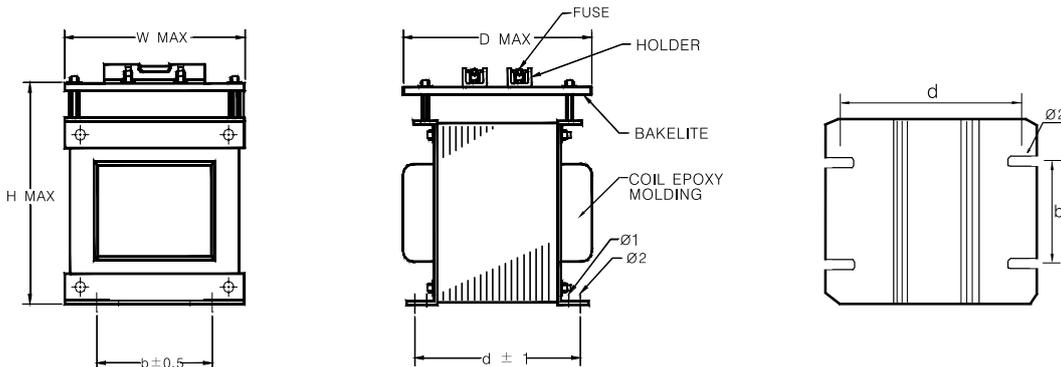


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | KVA | DIMENSIONS (m/m) | | | | | | WEIGHT (kg) | | |
|--------------|------|----------------|--------------|------|------------------|-----|-----|-----|---------|---------|-------------|---------|----|
| | | PRIMARY(V) | SECONDARY(V) | | W | H | D | b | d | Ø2 | | | |
| WYPT - 3305H | WPT | 3300 | 0-110-220 | 0.5 | 190 | 250 | 235 | 134 | 142 | 7 X 14 | 22 | | |
| WYPT - 3310H | | | | 1.0 | 225 | 295 | 245 | 120 | 147 | 10 X 30 | 28 | | |
| WYPT - 3315H | | | | 1.5 | 225 | 295 | 255 | 120 | 162 | 10 X 30 | 32 | | |
| WYPT - 3320H | | | | 2.0 | 245 | 335 | 255 | 180 | 178 | 10 X 30 | 42 | | |
| WYPT - 3330H | | | | 3.0 | 280 | 355 | 265 | 180 | 161 | 10 X 35 | 55 | | |
| WYPT - 3350H | | | | 5.0 | 280 | 355 | 265 | 180 | 185 | 10 X 35 | 60 | | |
| WYPT - 6610H | | | | 6600 | 0-110-220 | 1.0 | 225 | 295 | 245 | 120 | 147 | 10 X 30 | 28 |
| WYPT - 6615H | | | | | | 1.5 | 225 | 295 | 255 | 120 | 162 | 10 X 30 | 32 |
| WYPT - 6620H | | | | | | 2.0 | 245 | 335 | 255 | 180 | 178 | 10 X 30 | 42 |
| WYPT - 6630H | | | | | | 3.0 | 280 | 335 | 265 | 180 | 165 | 10 X 35 | 55 |
| WYPT - 6650H | 5.0 | 280 | 355 | | | 265 | 180 | 185 | 10 X 35 | 60 | | | |

● Dimension

• WPT Type



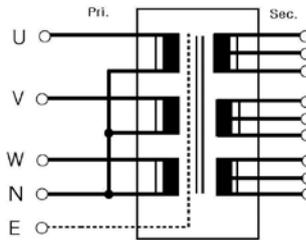
WY3P-O Series W3PO Type



삼상 복권형으로 동기형 Transformer로서 위상제어에 종래 단상 3대를 결선하여 사용하던 방법을 1대의 3상으로 DC Motor 동기제어를 할 수 있도록 한 제품으로 설계자의 작업성을 극대화 한 제품으로 땜식(Soldering Type)으로 제작 하였습니다.

It is a three phase isolation transformer Synchronous transformer. Unlike existing method to Connection of 3 single phases, one piece of three phases controls DC motor so that efficiency of operation is maximized. It is a type of soldering terminal system.

• Circuit Diagram

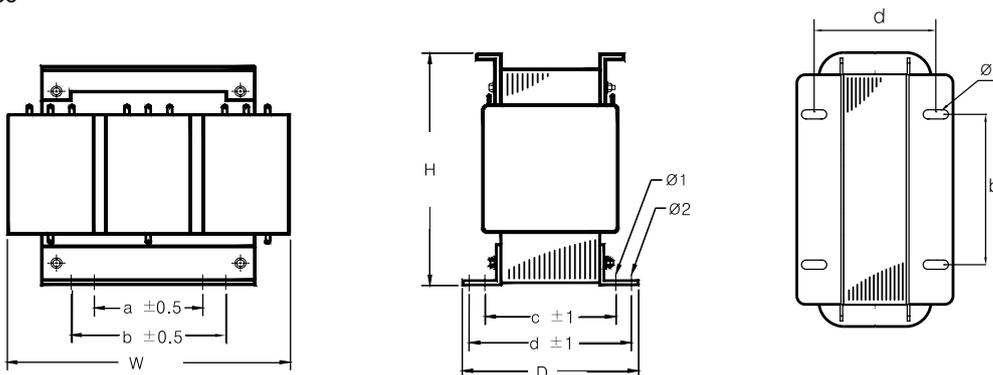


● Specifications

| MODEL NO. | TYPE | SPECIFICATIONS | | VA | DIMENSIONS (m/m) | | | | | | WEIGHT (kg) |
|-----------|------|----------------|---------|----|------------------|----|----|----|----|----------|-------------|
| | | PRI.(V) | SEC.(V) | | W | H | D | b | d | (a,c) Ø1 | |
| WY3P-325 | 3PWO | 220 | 20-0-20 | 20 | 98 | 80 | 80 | 65 | 57 | 5 X 8 | 1,80 |
| WY3P-326 | | 380-440 | | | | | | | | | |
| WY3P-327 | | 220-440 | | | | | | | | | |

● Dimension

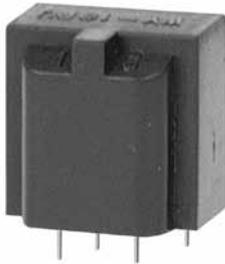
• 3PWO Type



PULSE Type

Isolation형 1 : 1 Pulse Transformer로 Case에 Epoxy Molding하여 절연 처리를 한 제품으로 PCB에 삽입하도록 제작된 제품 입니다.

It is 1:1 pulse transformer with isolation type. Epoxy molding is made at the case to insulate and it can be inserted to PCB.

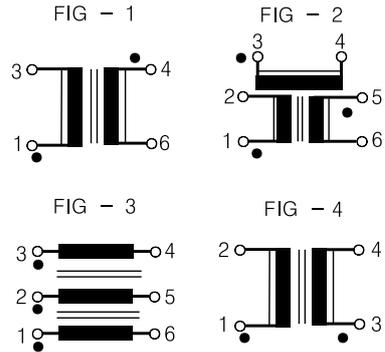


19P TYPE



13P TYPE

• Component Symbol



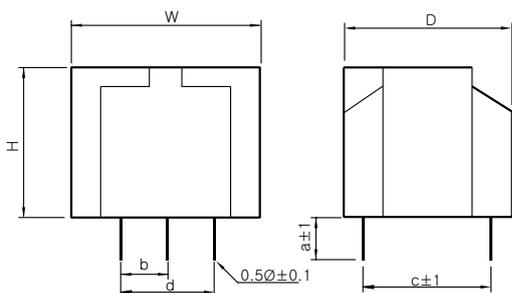
- 표시는 권선 Start (극성)
- Dot (Start Marking)

● Specifications

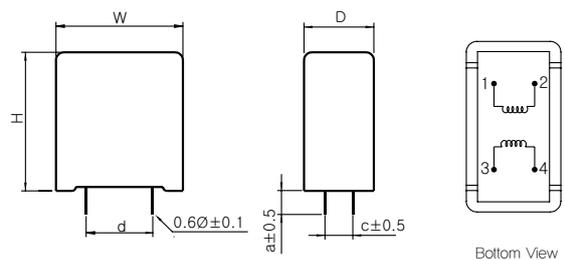
| MODEL NO. | TURN RATIO | PRI. INDUCTANCE (mH MIN) | LEAKAGE IMPEDANCE (mH MAX) | CAPACITANCE (pF. TYP) | START NO. | DCR (ΩMAX) | DIMENSIONS (m/m) | | | | | | | | Fig | WEIGHT (g) | |
|-----------|------------|--------------------------|----------------------------|-----------------------|-----------|------------|------------------|------|-----|-----|-----|-----|-----|--|-----|------------|----|
| | | | | | | | W | H | D | a | b | c | d | | | | |
| WY-19PB | 1:1 | 50 | 6,0 | 1500 | 1,4 | 4,5-4,5 | | | | | | | | | | 1 | 20 |
| WY-19PBB | 1:1:1 | 40 | 6,0 | 1500 | 1,3,5 | 6-6-6 | 21 | 21 | 19 | 10 | 4,5 | 14 | 9 | | 2 | 20 | |
| WY-19PAA | 1:1:1 | 35 | 6,0 | 1500 | 1,2,3 | 6-6-6 | | | | | | | | | 3 | 20 | |
| WY-13PB | 1:1 | 8 | 0,1 | 350 | 1,3 | 0,15-0,15 | 16 | 17,6 | 8,8 | 3,5 | - | 3,5 | 8,4 | | 4 | 5 | |

● Dimension

• 19P Type



• 13P Type



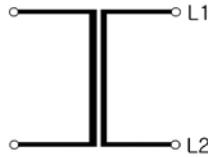
Current Transformer (Sensor)

전류형 C.T(Current Transformer)로서 Control에 문제되었던 것을 2차 권선을 이용하여 포화 되는것을 억제하였으며 1차 Wire는 관통형으로 소비자의 요구에 충족하도록 다양화한 제품입니다.

It is a current transformer and restrict saturation resulted from general which causes the problem of control by use of ring core as much as possible. Primary wire is a pass through type which meets customer needs with variety.



• Component Symbol



● Specifications

| MODEL NO. | TURN | A | Q | DIMENSIONS (m/m) | | | | | | | | C . T (Cable thought type) | C . T (turn ratio type) |
|-----------|------|-------|-----|------------------|----|----|----|-----|---------|----|----|---|---|
| | | | | A | B | C | D | E | F | G | H | | |
| WY - C30 | 300 | 0.45 | 1.8 | 62 | 57 | 43 | 52 | 5X3 | 17 X 17 | 25 | 41 | $I_2 = I_1 / N_2$ $I_1 = 1차 Current$ $I_2 = 2차 Current$ $N_2 = 2차 권선수$ | $I_2 = I_1 \times N_1 / N_2$ $I_1 = 1차 Current$ $I_2 = 2차 Current$ $N_1 = 1차 통과 권선수$ $N_2 = 2차 권선수$ |
| WY - C50 | 500 | 0.38 | 5 | | | | | | | | | | |
| WY - C100 | 1000 | 0.15 | 20 | | | | | | | | | | |
| WY - C200 | 2000 | 0.076 | 90 | | | | | | | | | | |
| WY - C300 | 3000 | 0.060 | 180 | | | | | | | | | | |
| WY - C400 | 4000 | 0.046 | 310 | | | | | | | | | | |
| WY - C500 | 5000 | 0.034 | 490 | | | | | | | | | | |

● Dimension

• CP Type

