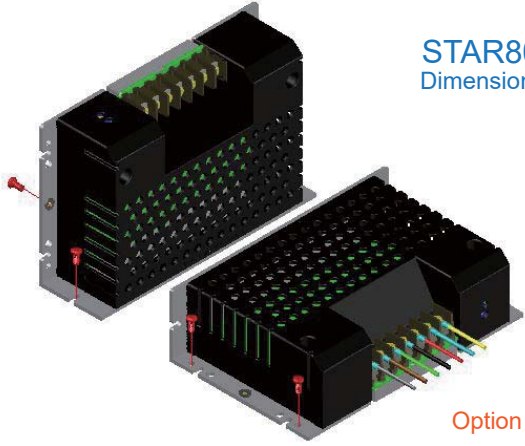


♣ The model is both an interior and exterior type. It has two types of input and output terminals which are the connector and the terminal-block. Two sides of the case are made of aluminum heat sink, thus when you attach it to the heat sink of the system, you can extend the lifespan of the product. It has no fan. It is designed to be installed conveniently in a variety of ways, depending on the purposes.(80W)

이 모델은 내장/외장 겸용 타입으로 입/출력 단자는 컨넥터 타입과 터미널블럭 타입의 2가지 입니다. 케이스의 2면이 알루미늄 방열판으로 구성 되어 있어 시스템의 방열판에 부착하여 사용시 발열을 더 줄일 수 있습니다. 시스템의 용도와 구조에 따라 다양하게 장착 할 수 있도록 설계 되었습니다.

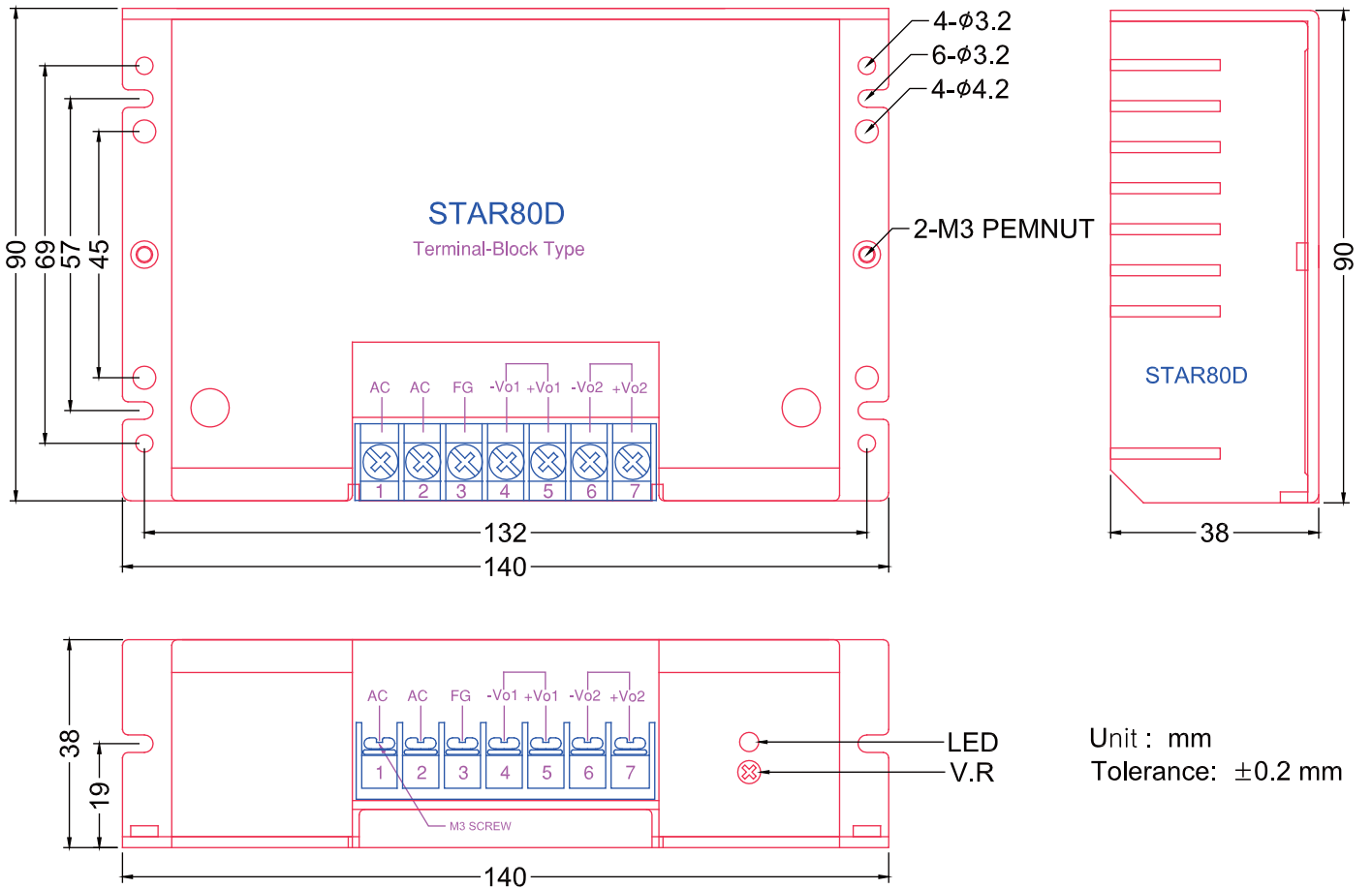


STAR80D-F-□□□□T
Dimensions 140 x 90 x H38mm

Option : Screw , Connector and
Harness Accessory

Features

- Small, compact size
- High efficiency
- Universal input 90~264VAC(free-voltage)
- Over current protection circuit
- Inrush current limit circuit
- Adjustable output voltage
- Low output ripple & noise
- Isolated input-output
- 3 years warranty(use operated 25℃)
- Cooling by free air convection
- RoHS directive



Unit : mm
Tolerance: ±0.2 mm

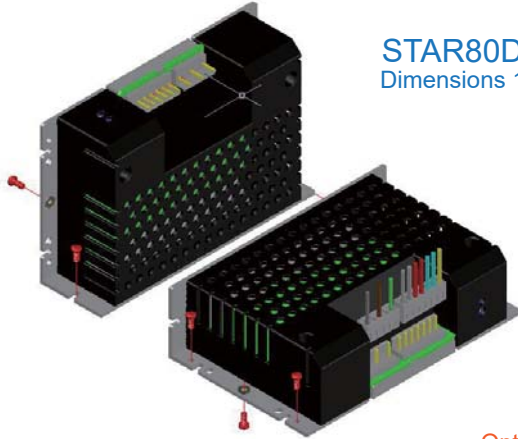
STAR80D-F-□□□□T

Terminal-Block Type

| | | | | | | |
|----|----|-----|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| AC | AC | F.G | -VO1 | +VO1 | -VO2 | +VO2 |

♣ The model is both an interior and exterior type. It has two types of input and output terminals which are the connector and the terminal-block. Two sides of the case are made of aluminum heat sink, thus when you attach it to the heat sink of the system, you can extend the lifespan of the product. It has no fan. It is designed to be installed conveniently in a variety of ways, depending on the purposes.(80W)

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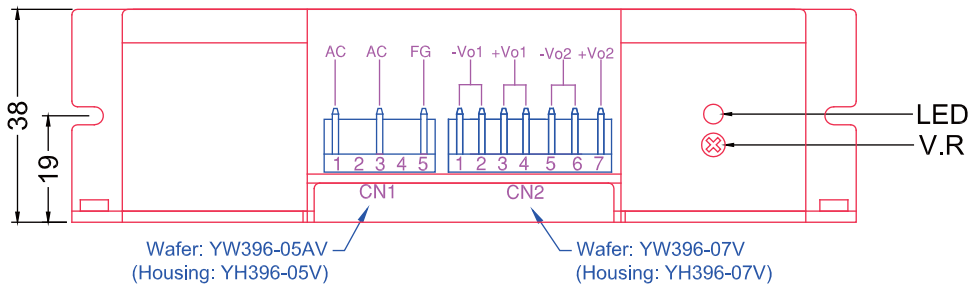
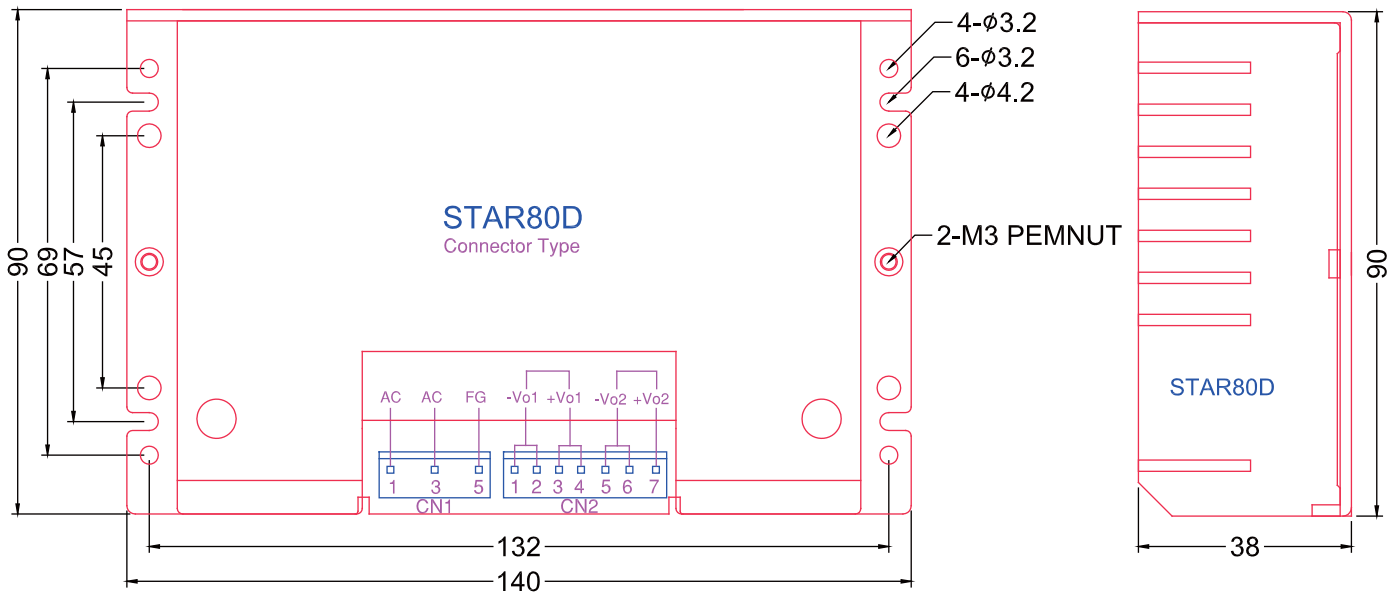


STAR80D-F-□□□□C
Dimensions 140 x 90 x H38mm

Features

- Small, compact size
- High efficiency
- Universal input 90~264VAC(free-voltage)
- Over current protection circuit
- Inrush current limit circuit
- Adjustable output voltage
- Low output ripple & noise
- Isolated input-output
- 3 years warranty(use operated 25℃)
- Cooling by free air convection
- RoHS directive

Option : Screw , Connector and
Harness Accessory



Unit : mm
Tolerance: ±0.2 mm

STAR80D-F-□□□□C
Connector Type

| CN1 | | | | | CN2 | | | | | | |
|-----|---|----|---|-----|------|---|------|---|------|---|------|
| 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| AC | | AC | | F.G | -VO1 | | +VO1 | | -VO2 | | +VO2 |

STAR80D-F-□□□□T/C

| Model | Input Range | V-out | I-out | | Total P-out | Efficiency | Notes |
|--------------------|-------------|------------|-------|-----|-------------|------------|--|
| STAR 80D-F-0512T/C | 90~264VAC | +Vo1 * 05V | 10.0A | 50W | max 80W | 81% | 전압별 단독으로 50W까지 사용가능 하지만 Total Power는 80W입니다. |
| | | +Vo2 * 12V | 4.00A | 48W | | | |
| STAR 80D-F-0515T/C | 90~264VAC | +Vo1 * 05V | 10.0A | 50W | max 80W | 81% | |
| | | +Vo2 * 15V | 3.30A | 50W | | | |
| STAR 80D-F-0524T/C | 90~264VAC | +Vo1 * 05V | 10.0A | 50W | max 80W | 81% | |
| | | +Vo2 * 24V | 2.00A | 48W | | | |
| STAR 80D-F-1212T/C | 90~264VAC | +Vo1 * 12V | 4.00A | 50W | max 80W | 83% | |
| | | +Vo2 * 12V | 4.00A | 48W | | | |
| STAR 80D-F-1515T/C | 90~264VAC | +Vo1 * 15V | 3.30A | 50W | max 80W | 83% | |
| | | +Vo2 * 15V | 3.30A | 50W | | | |

Environmental & Isolation Specifications

| Parameter | Min | Typ | Max | Unit | Notes |
|--------------------------------------|-------|-----|-----|------|-----------------------|
| Operating Temperature | -10 | - | 50 | ℃ | Use Case Bottom < 70℃ |
| Storage Temperature | -40 | - | 85 | ℃ | |
| Operating Humidity(Non condensing) | 10 | - | 95 | % | |
| Isolation Resistance(Input : Output) | 100 | - | - | MΩ | At 500VDC |
| Isolation Voltage(Input : Output) | 3,000 | | | VAC | At 10mA |
| Isolation Voltage(Input : F.G) | 1,500 | | | VAC | At 10mA |
| Isolation Voltage(F.G : Output) | 500 | | | VAC | At 10mA |

Specifications Input Characteristics

| Parameter | Min | Typ | Max | Unit | Notes |
|---------------------------------------|-----|-------|-----|------|----------|
| Operating Input Voltage Range | 90 | 220 | 264 | VAC | |
| Frequency Range | 47 | 50/60 | 63 | Hz | |
| Input Current at 220VAC (STAR80D) | - | 0.60 | - | A | Max Load |
| Inrush Current (Cold start at 220VAC) | | | 30 | A | |
| Leakage Current(at 220VAC) | | | 1 | mA | |
| Over Current Protection(Rated Pout) | 110 | - | - | % | Hiccup |

Specifications Output Characteristics

| Parameter | | Min | Typ | Max | Unit | Notes |
|--|------|-----|-----|----------|------|---------------------|
| Output Voltage Setting Tolerance | | - | - | 2 | % | |
| Line Regulation | | - | - | 0.5 | % | |
| Load Regulation | | - | - | 1 | % | |
| Cross Regulation | | - | - | 1 | % | |
| Output Power(Total:80W) | +Vo1 | 0 | - | 40 | W | Vo1+Vo2=MAX:80W |
| | +Vo2 | 0 | - | 40 | | |
| Output Ripple & Noise (220VAC max-load) | | - | - | 2% of Vo | mV | B/W 100Mhz, 1uF Cap |
| Dynamic Load Response | | - | - | 5% of Vo | mV | |
| Turn on Time at 220VAC | | 600 | | 800 | mS | |
| Hole-up Time at 220VAC | | 40 | | 80 | mS | |

Dimensions & Weight

| | STAR0D | Unit |
|------------|----------------|------|
| Dimensions | 140 X 90 X H38 | mm |
| Weight | 400 Typ. | g |