

IMERSxx/12D 400A3



SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp

- Variety of Operating Voltages.
- Low Drive Current (20 mA)
- 2500V Dielectric Strength
- LED Status Indicator
- Photo Isolation
- Built-In Snubber (AC Output)
- Zero Cross Turn-On (AC Output)
- Bipolar Transistor / MOSFET Output(DC Output)
- Mounting options available:DIN Rail Mounting & Panel Mounting
- Easy to replace pluggable SSR.
- Replaceable fuses with simple to operate Horizontal Fuse holders
- Fast Blow & Slow Blow Fuses available as standard
- Fuse rating from 0.1 A to 6.3 A.

TECHNICAL DATA

| | |
|-------------------------------|----------------------------------|
| Bussing Possibility | By using spare jumpers. |
| Supply Voltage Indication | 3mm Red LED |
| Ambient Operating Temperature | -20 to 50 °C |
| Mounting Possibility | DIN32 / DIN35 / DIN35-15 / PANEL |
| Housing Material | PVC / V0 Grade |
| Housing Colour | Green |
| Rated Input voltage | 12 VDC |
| Rated output voltage | UPTO 400 VAC |

RELAY INPUT / COIL SPECIFICATIONS

| | |
|------------------------------------|-----------|
| Nominal Operating Voltage | 12 VDC |
| Maximum Input Current | 20 mA |
| Must Operate Voltage | 9.6 VDC |
| Must Release Voltage | 1 VDC |
| Maximum Reverse Voltage Protection | -14.4 VDC |

RELAY OUTPUT/CONTACT SPECIFICATIONS

| | |
|--------------------------------|---------------------------|
| Contact Type | 1 NO (SPST) |
| Load Current Range | 0.1 to 3A |
| Load Voltage Range | 75 to 400 VAC |
| Maximum On State Voltage Drop | 1.5 VAC |
| Maximum Transient Voltage | 600 Vpk |
| Maximum Leakage Current | 1.5 mA |
| Maximum Surge Current | 10 times of rated current |
| Turn-Off Time | 1/2 Cycle + 1 ms |
| Turn-On Time (0 Cross Turn On) | 1/2 Cycle + 1 ms |

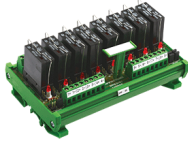
CONNECTION SPECIFICATIONS

| | |
|-----------------------|---------------------|
| Type of Connection | Screw Connection |
| Min. Wire Size | 0.5 mm ² |
| Max. Wire Size | 2.5 mm ² |
| Min. Wire Size(AWG) | 30 AWG |
| Max. Wire Size(AWG) | 14 AWG |
| Wire Stripping Length | 8.3 mm |
| Torque | 0.5 Nm |
| Torque | 4.5 lb-in |

ORDERING INFORMATION

| CAT. NO. | DESCRIPTION | NO. OF CHN. | DIM. DET. | STD. PACK |
|-------------------|--|-------------|---------------|-----------|
| IMERS1/12 D400A3 | 1CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 1 | 23 X 88 X 74 | 5 |
| IMERS2/12 D400A3 | 2CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 2 | 45 X 88 X 74 | 1 |
| IMERS4/12 D400A3 | 4CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 4 | 79 X 88 X 74 | 1 |
| IMERS8/12 D400A3 | 8CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 8 | 145 X 88 X 74 | 1 |
| IMERS16/12 D400A3 | 16CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 16 | 289 X 88 X 74 | 1 |
| IMER1/12D4 00A3 | 1CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 1 | 23 X 88 X 74 | 5 |
| IMER2/12D4 00A3 | 2CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 2 | 45 X 88 X 74 | 1 |

IMERSxx/12D 400A3



ORDERING INFORMATION

| CAT. NO. | DESCRIPTION | NO. OF CHN. | DIM. DET. | STD. PACK |
|------------------|--|-------------|---------------|-----------|
| IMER4/12D4 00A3 | 4CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 4 | 79 X 88 X 74 | 1 |
| IMER8/12D4 00A3 | 8CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 8 | 145 X 88 X 74 | 1 |
| IMER16/12D 400A3 | 16CH 12VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount | 16 | 289 X 88 X 74 | 1 |

NOTES

* Module Lengths mentioned are for RAIL Mounting option only. The lengths may vary for PANEL Mounting.
** PANEL Mounting relay modules are available on request. Please use the suffix -P with the cat. no. for ordering. #Module with Other Coil Voltage are available on request.

ACCESSORIES

| IMAGES | CAT. NO. | DESCRIPTION | STD. PACK |
|--------|------------------|---|-----------|
| | CA501-1M | Din 32 Rail unslotted 1 meter | 50 |
| | CA501-1M-S | Din 32 Rail slotted 1 meter | 50 |
| | CA501-2M | Din 32 Rail unslotted 2 meter | 50 |
| | CA501-2M-S | Din 32 Rail slotted 2 meter | 50 |
| | CA701-1M | Din 35 Rail unslotted 1 meter | 50 |
| | CA701-2M | Din 35 Rail unslotted 2 meter | 50 |
| | CA701-2M-S | Din 35 Rail slotted 2 meter | 50 |
| | CA701-1M-S | Din 35 Rail slotted 1 meter | 50 |
| | CA701-15-1M | Din 35 Rail 15 deep unslotted 1 meter | 50 |
| | CA701-15-1M-S | Din 35 Rail 15 deep slotted 1 meter | 50 |
| | CA701-15-2M | Din 35 Rail 15 deep unslotted 2 meter | 50 |
| | CA701-15-2M-S | Din 35 Rail 15 deep slotted 2 meter | 50 |
| | CA509/K2 | Marking Tag Blank suitable for CDL4U / CDL4U(I.S) / CTL2.5U / CTL2.5UH / CTL2.5UL / CTL2.5HUL / CTL2.5U(I.S) / CTL2.5U(I.S)D2 / CGMT4 / CSFL4U / CSFL4U(L) / CMT4 / CMB4 / ASF4 / ASF4(L) / CTS2.5(| 100 |
| | SCS0.5/3 | Electricians Screwdriver for slotted screws | 10 |
| | IMACC/ER12D400A3 | SSR 12VDC IN 400VAC OUT | 1 |

CIRCUIT DIAGRAM

