

# IMERSxx/24D 400A3



## SSR Module 1NO (SPST) 24VDC 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

Supply Voltage Indication	3mm Red LED
Ambient Operating Temperature	-20 to 50 °C
Mounting Possibility	DIN 32/DIN 35/DIN 35-15 Rail
Housing Material	PVC / V0 Grade
Housing Colour	Green
Rated Input voltage	24 VDC
Rated output voltage	UPTO 400 VAC

### CONNECTION SPECIFICATIONS

Min. Wire Size	0.5 mm <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
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

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VDC
Maximum Input Current	20 mA
Must Operate Voltage	19.2 VDC
Must Release Voltage	1 VDC
Maximum Reverse Voltage Protection	-28.8 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

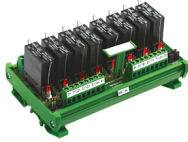
### CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
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### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
IMERS1/24 D400A3	1CH 24VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount	1	23 X 88 X 74	5
IMERS2/24 D400A3	2CH 24VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount	2	45 X 88 X 74	1
IMERS4/24 D400A3	4CH 24VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount	4	79 X 88 X 74	1
IMERS8/24 D400A3	8CH 24VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount	8	148 X 88 X 65	1
IMERS16/24 D400A3	16CH 24VDC IN 400VDC OUT 3A SSR Module With Base (Pluggable Relay)Rail Mount	16	289 X 88 X 74	1
IMER1/24D4 00A3	1CH 24VDC IN 400VDC OUT 3A SSR Module With Soldered Relay Rail Mount	1	23 X 88 X 74	5
IMER2/24D4 00A3	2CH 24VDC IN 400VDC OUT 3A SSR Module With Soldered Relay Rail Mount	2	45 X 88 X 74	1

# IMERSxx/24D 400A3



### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
IMER4/24D4 00A3	4CH 24VDC IN 400VDC OUT 3A SSR Module With Soldered Relay Rail Mount	4	79 X 88 X 74	1
IMER8/24D4 00A3	8CH 24VDC IN 400VDC OUT 3A SSR Module With Soldered Relay Rail Mount	8	148 X 88 X 65	1
IMER16/24D 400A3	16CH 24VDC IN 400VDC OUT 3A SSR Module With Soldered 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/ER24D400A3	SSR 24VDC IN 400VAC OUT	1

### CIRCUIT DIAGRAM

