

# DIN Rail Mount Solid State Relay

## Single Phase AC Output

**multicomp** PRO



**RoHS  
Compliant**

### Description

This is an industrial solid state relay with an integrated heat sink, width at 30mm or 50mm, with rail clips, can be mounted on 35mm din rail or be screwed on the panel. The product offers four control voltage specifications: 4 ~ 32V DC or 90~280V AC, the load voltage is 24 ~ 280V AC, 24 ~ 530V AC and 24 ~ 660VAC, load current 10A, 20A, 30A and 40A. Product dimension is at 100mm×30mm×112mm (10A, 20A and 30A products) or 122mm×50mm×110mm (40A product).

### Features

- Zero Crossing
- Ratings from 10A to 40A @ 24-660V AC
- SCR Output
- DC or AC Input
- With Integrated Heatsink, Width 30mm (for 10A-30A) or 50mm (for 40A)
- Dielectric Strength 4000V ACrms
- LED Indication
- Built-in RC Snubber Circuit
- 35mm Rail (DIN EN50022)
- The relay and the radiator are detachable

### Application

Plastic machinery, electric injection molding machine, packaging machine. Used in a variety of industrial heating occasions.

### Technical Specification

Input Circuit		
Control Voltage Range	DC Input	4-32V DC
	AC Input	90-280V AC
Minimum Turn-on Voltage	DC Input	4V DC
	AC Input	90V AC
Minimum Turn-off Voltage	DC Input	1V DC
	AC Input	15V AC
Maximum Input Current	DC Input Zero-crossing	15mA @ 32V DC
	AC Input	25mA @ 280V AC
Output Circuit		
Load Voltage	240V	24-280V AC
	480V	24-530V AC
	600V	24-600V AC
Maximum Turn-on Time	DC Input Zero-crossing	10ms
	AC Input	40ms
Maximum Turn-off Time	DC Input	10ms
	AC Input	40ms

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
Element14.com/multicomp-pro

**multicomp** PRO

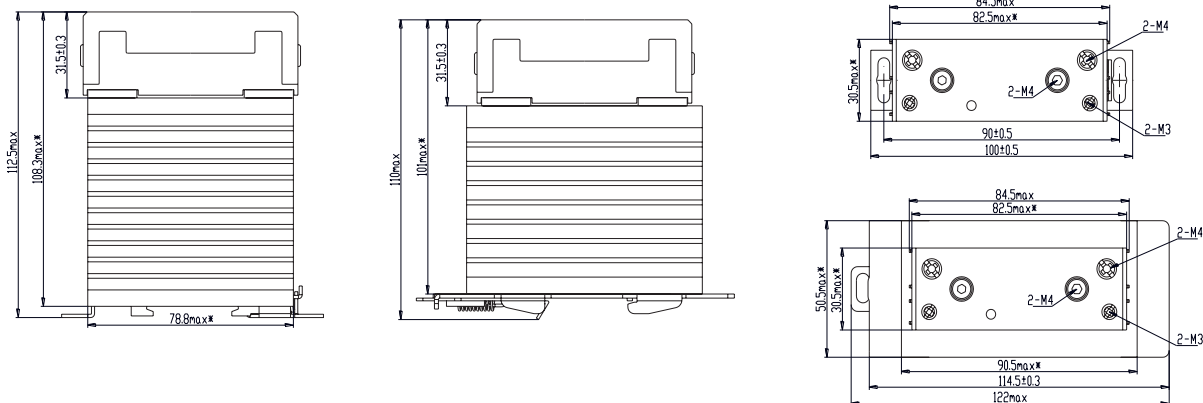
# DIN Rail Mount Solid State Relay

## Single Phase AC Output

**multicomp** PRO

Maximum Surge Current [@10ms]	10A	200A
	20A	300A
	30A	500A
	40A	600A
Maximum I <sup>2</sup> t For Fusing[@10ms]	10A	200A <sup>2</sup> S
	20A	450A <sup>2</sup> S
	30A	1250A <sup>2</sup> S
	40A	1800A <sup>2</sup> S
Transient Over voltage	240V	600Vpk
	480V	1200Vpk
	600V	1600Vpk
Maximum Off-state Leakage Current [@ Rated Voltage]		5mA
Maximum On-state Voltage Drop [@ Rated Current]	Typical	1.25Vrms
	Max.	1.6Vrms
Minimum Off-state dv/dt [@ Maximum Rated Voltage]		500V/μs
General Information		
Dielectric Strength [50/60Hz]	Input/Output	≥4000Vrms
	Input, Output/Base	≥2500Vrms
Min. power factor		0.5
Ambient Operating Temperature Range		-30°C ~ +80°C
Ambient Storage Temperature Range		-30°C ~ +100°C
Weight [Typical]	10A/20A/30A	355g
	40A	540g

### Installation Drawing



Dimensions : Millimetres

Newark.com/multicomp-pro  
 Farnell.com/multicomp-pro  
 Element14.com/multicomp-pro

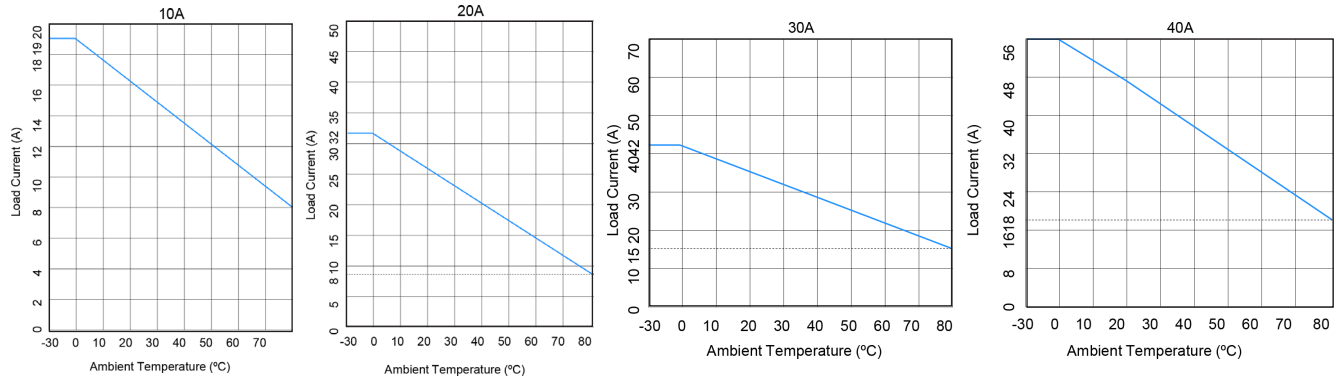
**multicomp** PRO

# DIN Rail Mount Solid State Relay

## Single Phase AC Output

**multicomp** PRO

### Thermal Curve



### Part Number Table

Description	Part Number
SSR, DIN Rail Mount, 10A, 240V AC, 4-32V DC, Zero Crossing	MC002280
SSR, DIN Rail Mount, 10A, 240V AC, 4-32V DC, Zero Crossing, W/ MOV	MC002281
SSR, DIN Rail Mount, 20A, 240V AC, 4-32V DC, Zero Crossing	MC002282
SSR, DIN Rail Mount, 20A, 240V AC, 4-32V DC, Zero Crossing, W/ MOV	MC002283
SSR, DIN Rail Mount, 30A, 240V AC, 4-32V DC, Zero Crossing	MC002284
SSR, DIN Rail Mount, 30A, 240V AC, 4-32V DC, Zero Crossing, W/ MOV	MC002285
SSR, DIN Rail Mount, 30A, 480V AC, 90-280V AC, Zero Crossing	MC002286
SSR, DIN Rail Mount, 20A, 480V AC, 4-32V DC, Zero Crossing	MC002287
SSR, DIN Rail Mount, 30A, 480V AC, 4-32V DC, Zero Crossing	MC002288
SSR, DIN Rail Mount, 40A, 480V AC, 4-32V DC, Zero Crossing	MC002289
SSR, DIN Rail Mount, 20A, 600V AC, 4-32V DC, Zero Crossing, W/ MOV	MC002290
SSR, DIN Rail Mount, 30A, 600V AC, 4-32V DC, Zero Crossing	MC002291
SSR, DIN Rail Mount, 30A, 600V AC, 4-32V DC, Zero Crossing, W/ MOV	MC002292

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro  
 Farnell.com/multicomp-pro  
 Element14.com/multicomp-pro

**multicomp** PRO