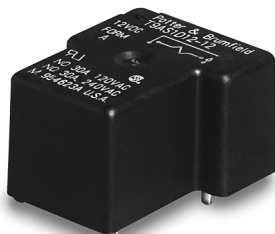


## Power Relay ZD

1 pole 30 A



F0156-A



F0179-A

### Features

- 1 N/O or 1 C/O contact
- High breaking capacity 7500 VA
- PCB- and PCB/Faston connections
- Chassis mount version with faston terminals
- UL-class F as standard
- Ambient temperature 85 °C

### Applications

HVAC, power supplies, domestic appliances, measurement & control



Technical data of approved types on request

### Contact data

Configuration	1 C/O contact	1 N/O contact
Type of contact	single contact	
Rated current on the N/O- N/C contact	20 A / 10 A	25 A
Rated voltage / max.breaking voltage AC	240 Vac / 250 Vac	
Maximum breaking capacity AC	4800 VA	7200 VA
Contact material	AgCdO	
Minimum contact load	1 A, 5 Vdc / 12 Vac	

### Contact ratings

Type	Load	Operations	Standard
N/O contact	2 hp, 240 Vac, motor	6x10 <sup>3</sup>	UL 508
N/O contact	5.4 A, 240 Vac, halogen	6x10 <sup>3</sup>	UL 508
N/O contact	25 A, 240 Vac, resistive	1x10 <sup>5</sup>	
C/O contact	10 / 10 A, 240 Vac, resistive	1x10 <sup>5</sup>	
C/O contact	20 / 10 A, 28 Vdc, resistive	1x10 <sup>5</sup>	

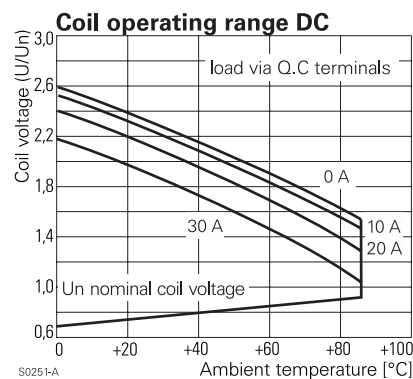
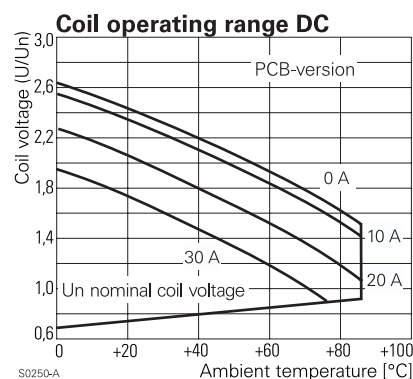
### Coil data

Nominal voltage	6...48 Vdc
Nominal coil power	1 W

### Coil versions

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
006	6	4.5	0.6	10.0	36±10%	166.7
012	12	9.0	1.2	20.1	144±10%	83.3
024	24	18.0	2.4	40.2	576±10%	41.7
048	48	36.0	4.8	80.3	2304±10%	20.8

All figures are given for coil without preenergization, at ambient temperature +20 °C  
Other coil voltages on request



## Power Relay ZD

1 pole 30 A

### Insulation

Dielectric strength	coil-contacts	2500 V <sub>rms</sub>
	open contact circuit	1500 V <sub>rms</sub>
Surge voltage resistance	coil-contacts	6000 V <sub>rms</sub> 1.2/50 μs
Clearance / creepage		3.1 / 6.3 mm (UL508)

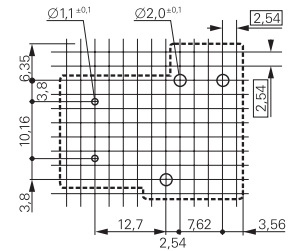
### Other data

Flammability class according to UL 94	V-0
Ambient temperature	-40...+85 °C
Mechanical life	10x10 <sup>6</sup> operations
Vibration resistance	1.65 mm, 10...55 Hz
Shock resistance (function)	10 g at 11 ms half sine
Shock resistance (destruction)	100 g
Category of protection (IEC 61810)	RT III - wash tight
Relay weight	26 / 33 g
Packaging unit	250 pcs.

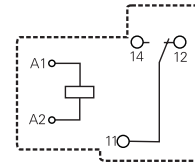
### PCB layout / terminal assignment

View on solder pins  
Dimensions in mm

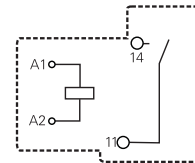
PCB version



S0261-AA



S0261-AB

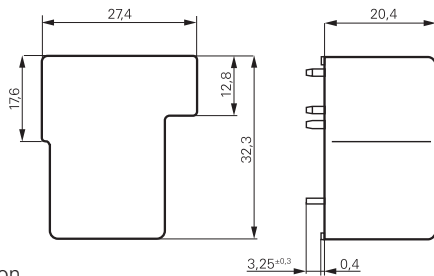


S0261-AC

### Dimensions

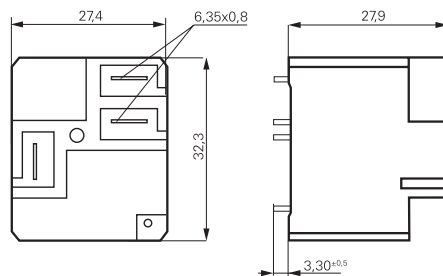
Dimensions in mm

PCB version



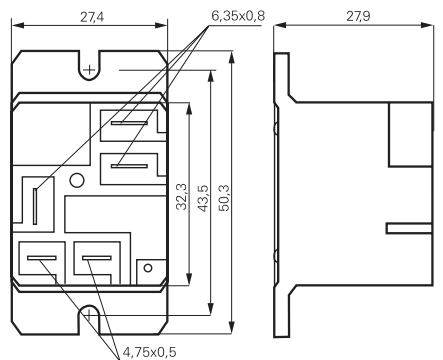
S0289-A

PCB-/Faston version



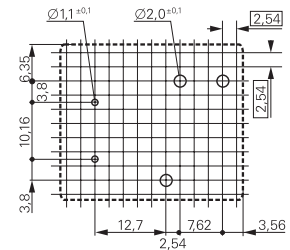
S0290-A

Flange mount

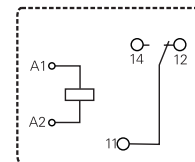


S0291-A

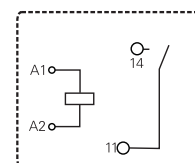
PCB-/Faston version



S0261-AH



S0261-AI



S0261-AJ

## Power Relay ZD

1 pole 30 A

### Product key

Z	D						
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### Type

### Version

- |                                        |                                          |
|----------------------------------------|------------------------------------------|
| <b>3</b> PCB wash tight                | <b>5</b> PCB-/Faston-version, wash tight |
| <b>4</b> dust protected (flange mount) |                                          |

### Contacts

- |                        |                        |
|------------------------|------------------------|
| <b>2</b> 1 N/O contact | <b>1</b> 1 C/O contact |
|------------------------|------------------------|

### Contact material

- |                |                |
|----------------|----------------|
| <b>2</b> AgCdO | <b>4</b> AgSnO |
|----------------|----------------|

### Coil

Coil code: please refer to coil versions table

Rights to change data / design reserved

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# Notice

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