

Miniature Power Relay T9A

1 pole 30 A



F0156-A



- 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
- Open version available

Applications

HVAC, power supplies, domestic appliances, measurement&control



F0179-A 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	30 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 life

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

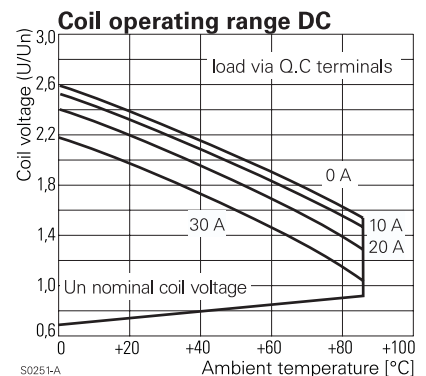
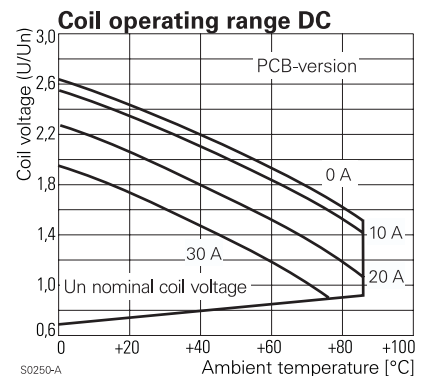
Coil data

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
6	6	4.5	0.6	10.0	36±10%	166.7
12	12	9.0	1.2	20.1	144±10%	83.3
24	24	18.0	2.4	40.2	576±10%	41.7
48	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



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Insulation

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

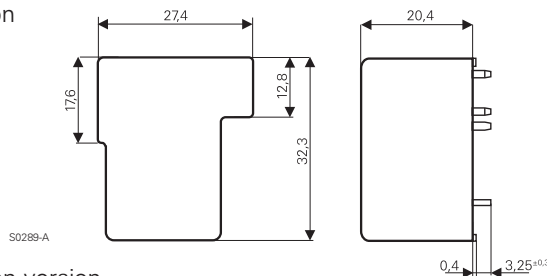
Other data

Flammability class UL	V-0
Ambient temperature	-40...+85 °C
Mechanical life	10x10 ⁶ operations
Vibration resistance	1.65 mm, 10...55 Hz
Shock resistance (function)	10 g at 11 ms half sine
Shock resistance (destruction)	100 g
Protection category	IP 67
Relay weight	26 g
Packaging unit	250 pcs.

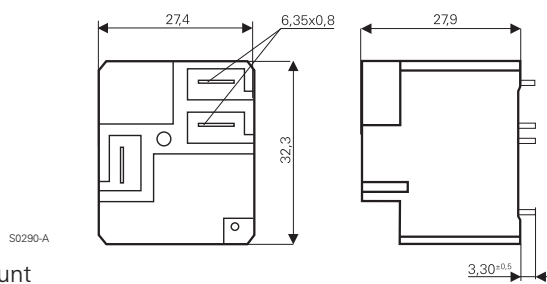
Dimensions

Dimensions in mm

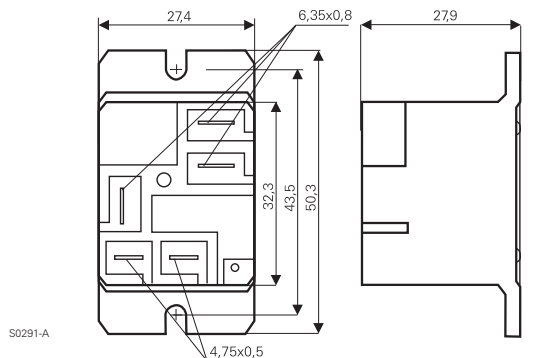
PCB version



PCB-/Faston version



Flange mount

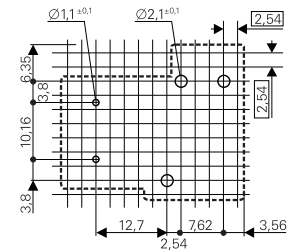


PCB layout / terminal assignment

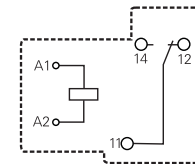
View on solder pins

Dimensions in mm

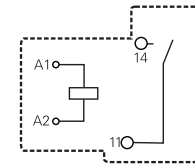
PCB version



S0261-AA

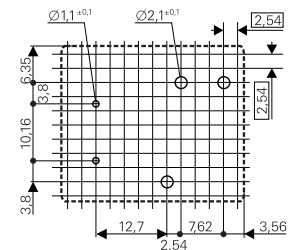


S0261-AB

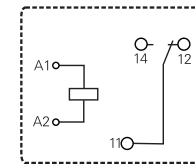


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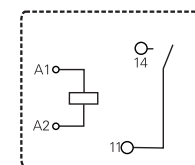
PCB-/Faston version



S0261-AH



S0261-AI



S0261-AJ

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Ordering key

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Type

Enclosure

P dust proof (flange mount)

S washable (PCB- or PCB-/Faston-version)

Contact configuration

1 N/O contact

5 C/O contact

Coil version

D DC coil 1 Watt

Mounting

1 PCB-version

2 PCB-terminals for coil and contacts, Faston terminals for contacts

5 Flange mount, 4,75 Faston terminals for coil, 6,35 Faston terminal for contacts

Contact material

2 AgCdO

Coil

Coil code: please refer to coil versions table

Other types on request