

# Power Relay T92

## 2 pole 30 A, DC- and AC-coil



F0167-A

- 2 C/O or 2 N/O contacts
- Switching capacity 7500 VA (2 N/O)
- DC- or AC coil
- 4 kV / 8 mm coil-contact
- Insulation to VDE 0631 and VDE 0700
- PCB- or Faston connections or chassis mount
- Adapter for DIN-rail mounting

Applications  
Power supplies, heating & ventilation, control equipment



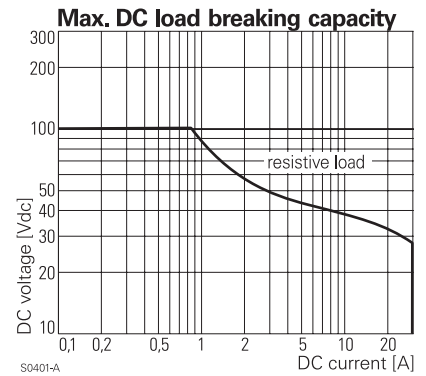
Technical data of approved types on request

### Contact data

Configuration	2 C/O contact or 2 N/O contact
Type of contact	single contact
Rated current N/O contact/N/C contact	30 / 3 A
Rated voltage / max.breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	7500 VA
Contact material	AgCdO
Minimum contact load	500 mA, 12 Vac

### Contact life

Type	Load	Operations
AC-coil	rated load	1x10 <sup>5</sup>
DC-coil	rated load	3x10 <sup>5</sup>



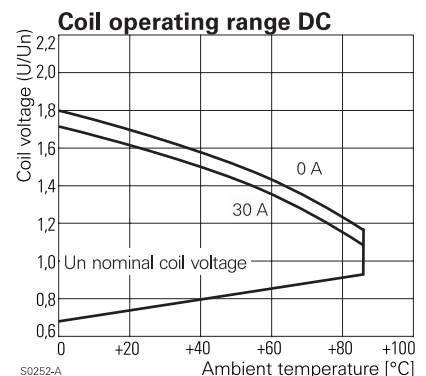
### Coil data

Nominal voltage	DC coil	6...48 Vdc
	AC coil	24...240 Vac
Nominal coil power	DC coil	1.7 W
	AC coil	4.0 VA
Operate category		1 / a

### DC Coil versions

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
12	12	9.0	1.2	22.2	86 ± 10%	139.5
24	24	18.0	2.4	44.4	350 ± 10%	68.6

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



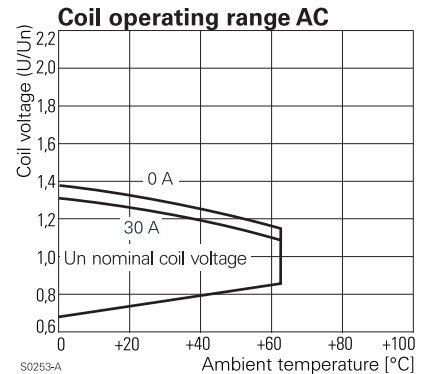
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### AC Coil versions

Coil code	Nominal voltage Vac	Pull-in voltage Vac	Release voltage Vac	Maximum voltage Vac	DC-Coil resistance $\Omega$
24	24	19.2	2.4	11.1	44 ± 10%
240	220 / 240	192.0	24.0	22.2	3800 ± 10%

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



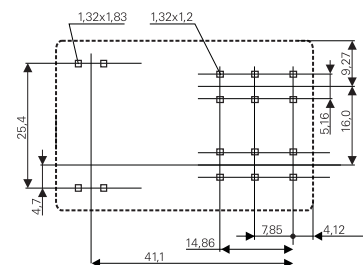
### Insulation

Dielectric strength	coil-contacts	4000 V <sub>rms</sub>
	open contact circuit	1500 V <sub>rms</sub>
	adjacent contacts	2000 V <sub>rms</sub>
Clearance / creepage		8 / 9.5 mm
Insulation to VDE 0110b (2/79)		
	Insulation category / reference voltage	C / 380
Tracking resistance of relay base		PTI 100

### PCB layout / terminal assignment

View on solder pins  
Dimensions in mm

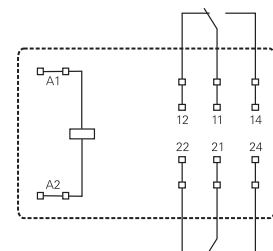
PCB version



S0262-AA

### Other data

Flammability class UL	V-0	
Ambient temperature	DC-coil	-40...+85 °C
	AC-coil	-40...+65 °C
Mechanical life	5x10 <sup>6</sup> operations	
Max. switching rate at rated- / minimum load	14 min <sup>-1</sup>	
Operate- / release time	15 / 10 ms	
Vibration resistance	1.65 mm, 10...55 Hz	
Shock resistance (function)	10g, 11 ms half sine	
Shock resistance (destruction)	100g, 11 ms half sine	
Relay weight	86 g	
Packaging unit	30 pcs.	



S0262-AB

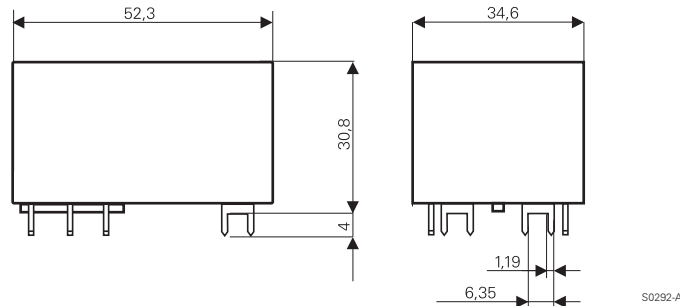
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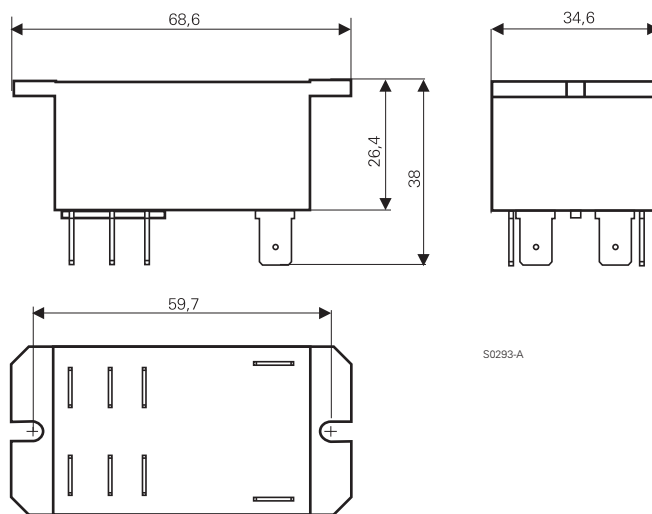
### Dimensions

Dimensions in mm

PCB version



Flange mount



### Ordering key

**T 9 2**     **2**

Type

Enclosure

**P** dust proof

**S** washable (PCB version only)

Contact configuration

**7** 2 N/O contacts

**11** 2 C/O contacts

Coil version

**A** AC-coil 50/60 Hz

**D** DC-coil

Mounting

**1** PCB version

**2** flange mount, 6.35 Faston terminals for contacts and coil

Contact material

**2** AgCdO

Coil

Coil code: please refer to coil versions table

Other types on request

Rights to change data / design reserved