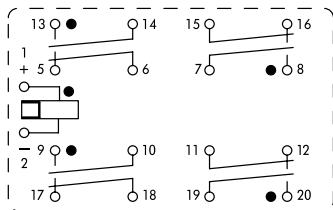


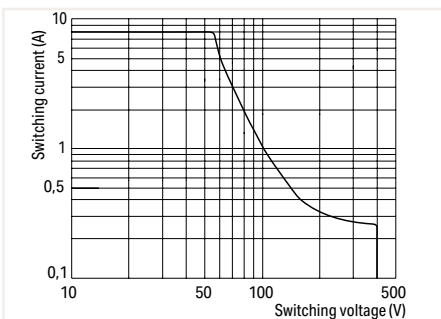
Relay Module

288 Series



Relay Module; with force-guided contacts; 4 make contacts and 4 break contacts; Limiting continuous current: 6 A; 64 mm wide

U_N	I_N	Item No.	Pack. Unit
12 VAC		288-413	
24 VAC/DC	26 mA	288-414	1
230 VAC/DC	10 mA	288-418	1



DC Load Limit Curve

Note:

If required a ventilation hole can be made in the cover, reducing the degree of protection from IP67 to IP30.

If an outer contact (20) should weld then the forced operated inner contact (12) driven by the actuator remains open. The rotating armature remains free to move. The unaffected contact pairs can operate normally, (i.e., their function to make or break remains unaffected).

If an inner contact should weld (12) then the movement of the rotating armature is blocked via the operator. Open contacts of all four contact pairs remain open. This arrangement corresponds to conventional, force-guided operation.

Control Circuit

Input voltage range	-15 ... +20 %
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Load Circuit

Number of break contacts/switch-off contacts	4
Number of make contacts/switch-on contacts	4
Contact material	AgSnO ₂
Limiting continuous current	6 A
Inrush current (resistive) max.	20 A (AC)
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	1500 VA (AC)
Recommended minimum load	10 V / 10 mA
Pull-in time (typ.)	18 ms
Drop-out time (typ.)	21 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	10 x 10 ⁶ switching operations
Mechanical force-guided operation	Type B

Safety and Protection

Rated voltage	250 V
Rated surge voltage	2.5 kV
Pollution degree	2
Dielectric strength, control/load circuit (AC, 1 min)	2 kV _{rms}
Dielectric strength, load/load circuit (AC, 1 min)	1.5 kV _{rms}
Dielectric strength, open contact (AC, 1 min)	1.3 kV

Connection Data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip Length	5 ... 6 mm / 0.2 ... 0.24 inch

Physical Data

Width	63.5 mm / 2.5 inch
Height from upper-edge of DIN-rail	40 mm / 1.575 inch
Depth	85 mm / 3.346 inch

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Weight	109.3 g
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Environmental Requirements

Surrounding air temperature (operation at U_N)	-40 ... +70 °C
Surrounding air temperature (storage)	-40 ... +80 °C
Processing temperature	-25 ... +50 °C

Standards and Specifications

Standards/specifications	EN 60664-1; EN 50205; EN 61810-1; ESTI (SEV): 09.1133; UL 508; E120782; TÜV: 968/EZ 116.02/09
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