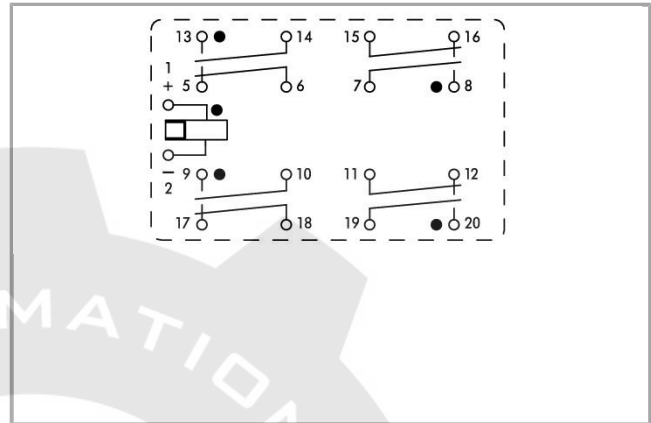


Data sheet | Item number: 288-414

Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm



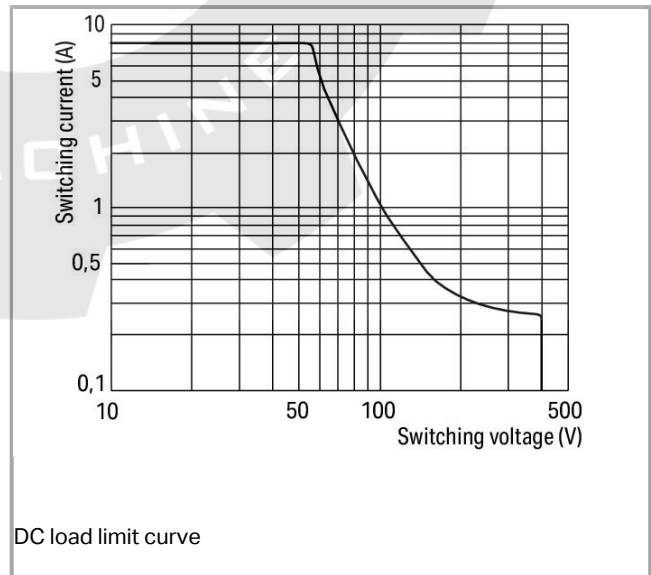
288-414



RoHS
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)

Color: ■



Item description

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, forced contact operation.

Data

Technical Data

Control circuit

Nominal input voltage U_N	AC/DC 24 V
Input voltage range	$\pm 10 \%$
Nominal input current at U_N	26 mA

Load circuit:

Number of break contacts/switch off contacts	4
Number of make contacts/switch on contacts	4
Contact material (relay)	AgSnO ₂
Limiting continuous current	6 A
Max. make current (resistive)	(AC) 20 A
Max. switching voltage	AC 250 V
Max. switching power (resistive)	AC 1,500 VA
Recommended minimum load	10 V / 10 mA
Min. switching current	0 μ A
Pull-in time (typ.)	18 ms
Drop-out time (typ.)	21 ms
Bounce time (typ)	4 ms
Drop-out time	$\leq 0 \mu$ s
Electrical life (N.O.; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life (N.O.; resistive load; 23 °C)	10 x 10 ⁶ switching operations

Safety and protection:

Rated voltage	250 V
Rated impulse voltage	2.5 kV
Pollution degree	2

Dielectric strength, control/load circuit (AC, 1 min)	2 kVrms
Dielectric strength open contact (AC, 1 min)	1.3 kVrms
Dielectric strength, load/load circuit (AC, 1 min)	1.5 kVrms

Connection data

Connection technology	CAGE CLAMP®
WAGO terminal	WAGO 256 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch

Geometrical Data

Width	63.5 mm / 2.5 inch
Height from upper-edge of DIN-35 rail	40 mm / 1.575 inch
Depth	85 mm / 3.346 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	gray
Fire load	0 MJ
Weight	147.5 g

Environmental Requirements

Pollution degree	2
Surrounding air (operating) temperature at U _N	-40 ... 70 °C
Surrounding air (storage) temperature	-40 ... 80 °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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Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454192563
Customs Tariff No.	85364900990

Compatible products

Marking accessories

	Item no.: 709-177 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type	709-177
	Item no.: 709-178 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type	709-178
	Item no.: 709-196 Marking strips; for laser printer	709-196
	Item no.: 709-198 Marking strips	709-198
tools		
	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720

Downloads

Documentation

Bid Text

288-414	Jan 22, 2016	doc	Download
Relaisbaustein		29.7 kB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

CAD/CAE - Smart Data

CAD data

3D Download 288-414	URL	Download
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Subject to changes.