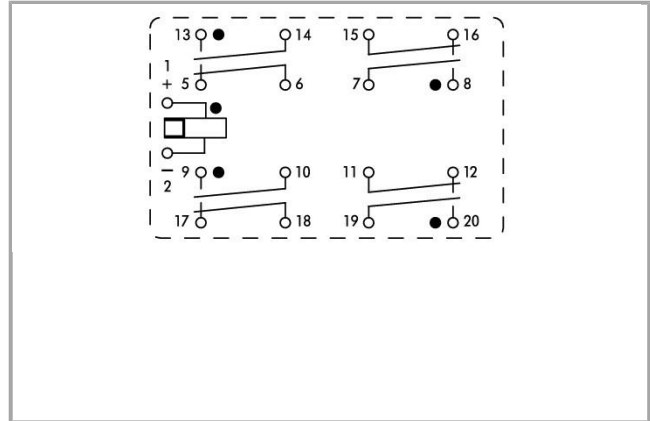


Data sheet | Item number: 288-414

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



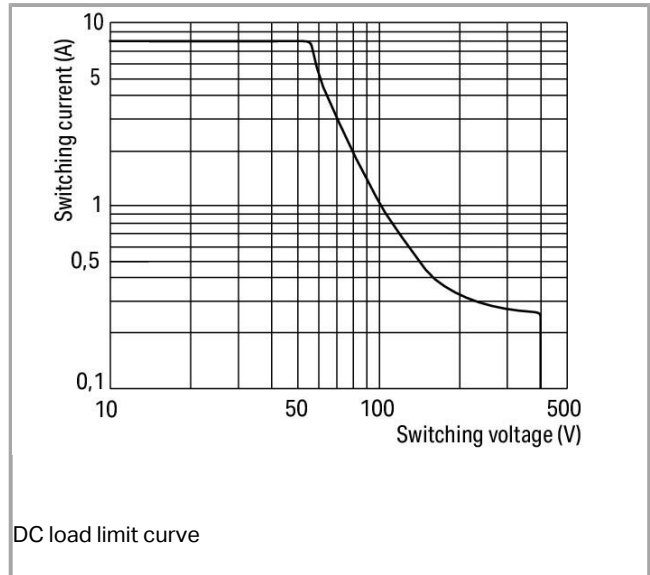
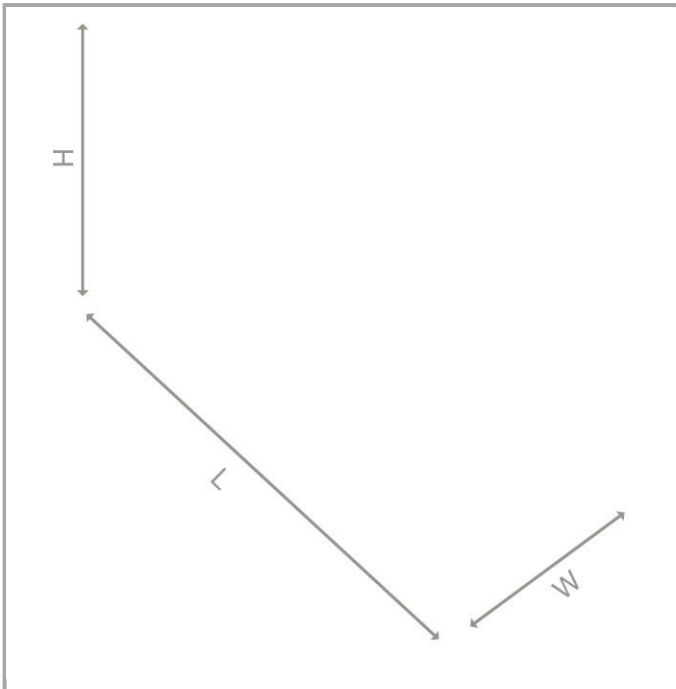
288-414



RoHS Compliant ✓

BOMcheck.net

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 <sub>2</sub>
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 $\mu$ 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 <sup>3</sup> switching operations
Mechanical life (N.O.; resistive load; 23 °C)	10 x 10 <sup>6</sup> 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 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 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 <sub>N</sub>	-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

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

## Downloads

## Documentation

## Bid Text

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

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## CAD/CAE - Smart Data

## CAD data

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Subject to changes.