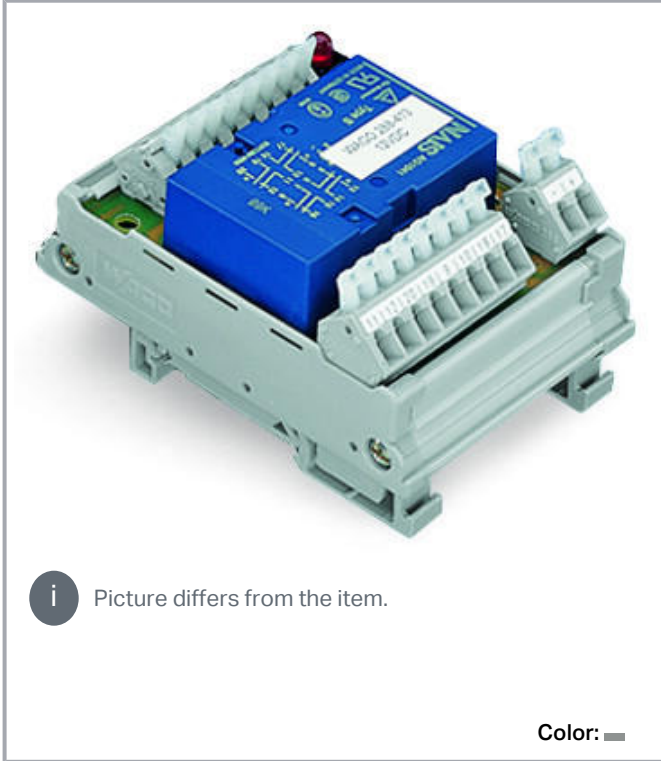


Data sheet | Item number: 288-414

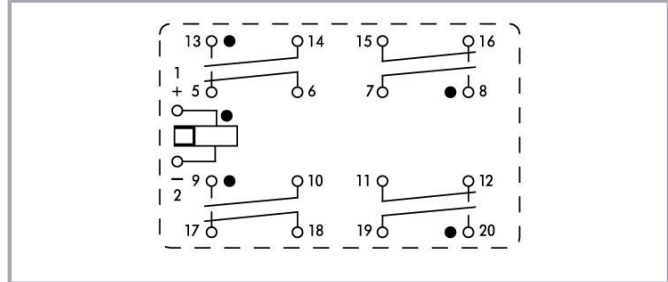
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

www.wago.com/288-414



i Picture differs from the item.

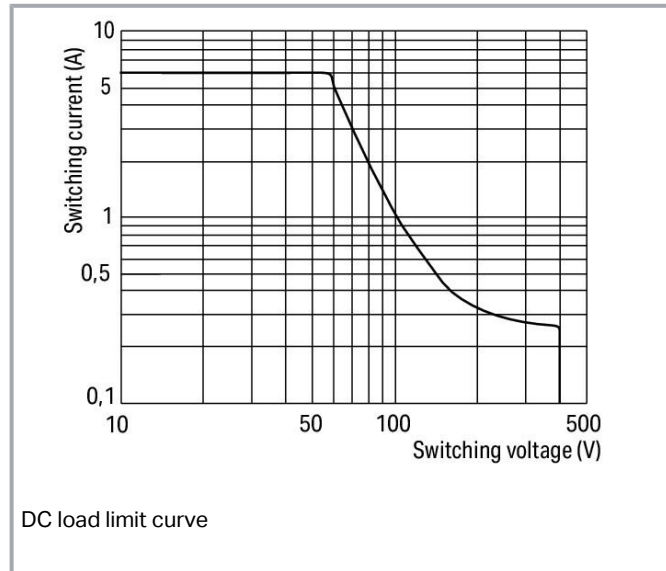
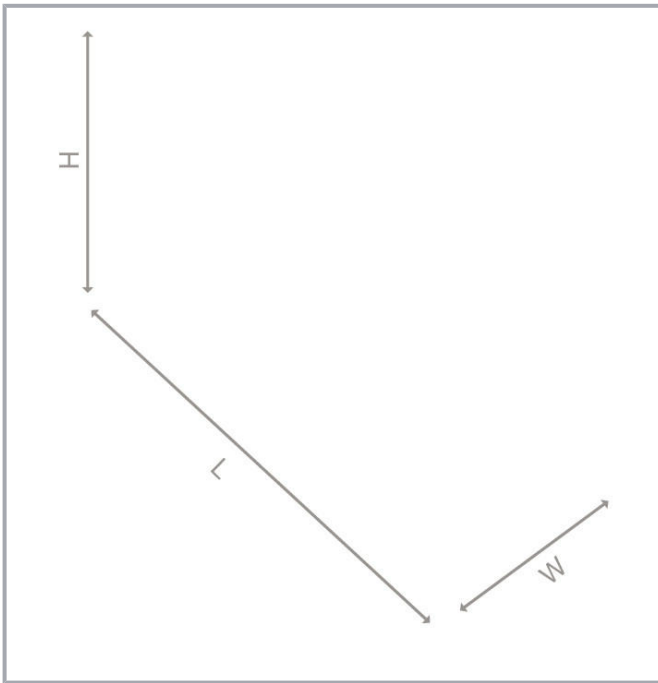
Color:



Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data Notes

Note

If required, a ventilation hole can be made in the cover, reducing the protection type 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.

Technical data

Control circuit

Nominal input voltage U_N

AC/DC 24 V

Subject to changes. Please also observe the further product documentation!

Input voltage range	-15 ... +20 %
Nominal input current at U_N	26 mA

Load circuit

Number of break/switch-off contacts	4
Number of make/switch-on contacts	4
Contact material (relay)	AgSnO ₂
Limiting continuous current	6 A
Inrush current (resistive) (max.)	(AC) 20 A
Switching voltage (max.)	AC 250 V
Switching power (resistive) (max.)	AC 1500 VA
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 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 Connector	WAGO 256 Series
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

Subject to changes. Please also observe the further product documentation!

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
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Material data

Color	gray
Fire load	0.854 MJ
Weight	147.5 g

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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Commercial data


Product Group	6 (Interface Electronics)
PU (SPU)	1 Stück
Packaging type	box
Country of origin	DE
GTIN	4045454192563
Customs tariff number	85364900990

Subject to changes. Please also observe the further product documentation!

Optional accessories

Tool


Operating tool


	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720
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Marking accessories

Marking strip

	Item no.: 709-196 Marking strips; for laser printer; translucent	www.wago.com/709-196
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	Item no.: 709-178 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white	www.wago.com/709-178
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	Item no.: 709-177 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent	www.wago.com/709-177
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Downloads

Documentation

Bid Text

288-414	2019. 2. 20.	docx	Download
docx - Datei		17.8 kB	

288-414	2019. 2. 19.	xml	Download
X81 - Datei		5.5 kB	

Instruction Leaflet

pdf
1.3 MB

Download

Additional Information

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

Subject to changes. Please also observe the further product documentation!

CAD/CAE-Data

CAD data

2D/3D Models 288-414	URL	Download
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CAE data

EPLAN Data Portal 288-414	URL	Download
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WSCAD Universe 288-414	URL	Download
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ZUKEN Portal 288-414	URL	Download
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Environmental Product Compliance

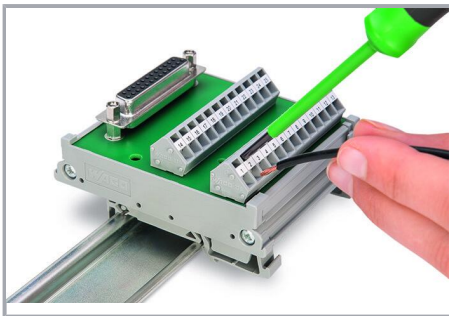
Compliance Search

Environmental Product Compliance 288-414	URL	Download
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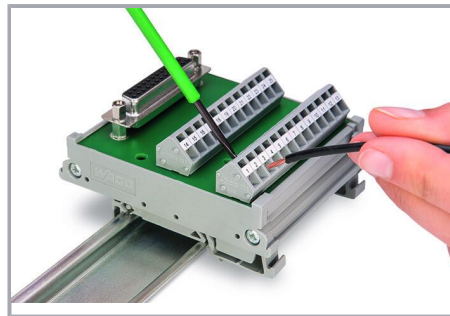
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

Installation Notes

Inserting a conductor



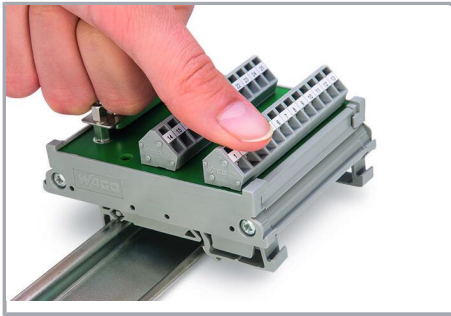
Conductor termination – screwdriver actuation parallel to conductor entry



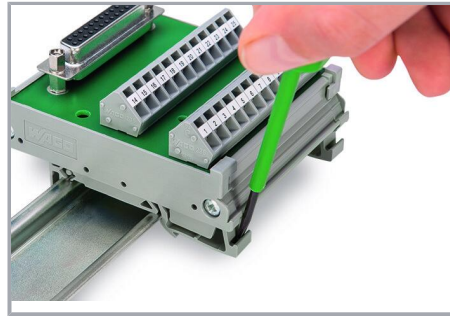
Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation

Subject to changes. Please also observe the further product documentation!



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.

Subject to changes. Please also observe the further product documentation!