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TECHNOLOGY GROUP

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Data Sheet | Item Number: 288-414

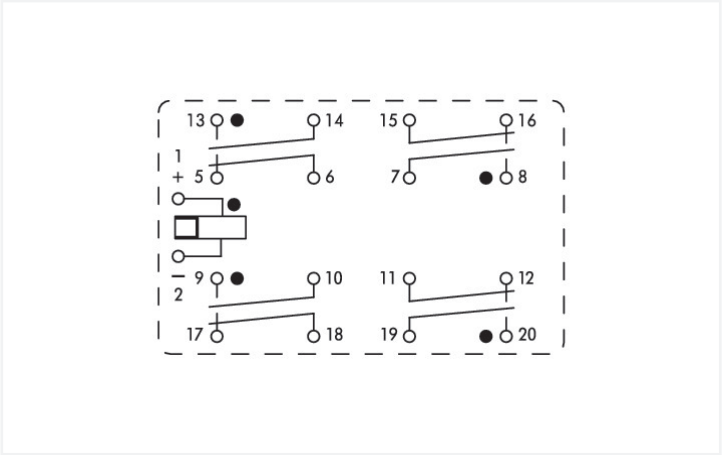
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

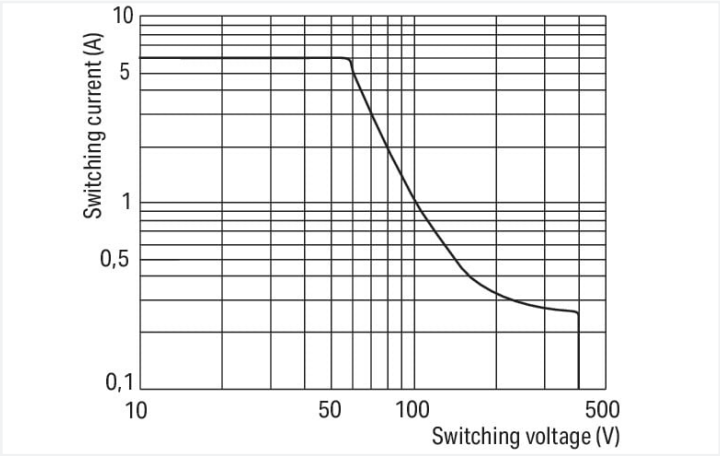
https://www.wago.com/288-414



Color: gray

Similar to illustration





DC load limit curve

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
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

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Load circuit

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®
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 inches

Physical data

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

Mechanical data

Mounting type	DIN-35 rail

Material data

Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	1.13 MJ
Weight	147.5 g

Environmental requirements

Ambient temperature (operation at U_N)	-40 … +70 °C
Ambient temperature (storage)	-40 … +80 °C
Processing temperature	-25 … +50 °C

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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

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454192563
Customs tariff number	85364900990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 288-414

Documentation

Bid Text			
288-414	19.02.2019	xml 5.37 KB	
288-414	20.02.2019	docx 17.40 KB	

Instruction Leaflet		
	pdf 1246.19 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 288-414	EPLAN Data Portal 288-414
	WSCAD Universe 288-414
	ZUKEN Portal 288-414

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



Item No.: 709-196
Marking strips; for laser printer; translucent



Item No.: 709-177
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent



Item No.: 709-178
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

1.1.2 Tool

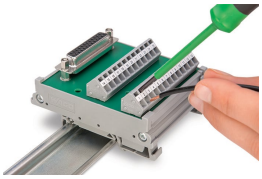
1.1.2.1 Operating tool



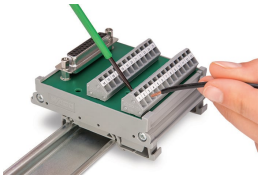
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



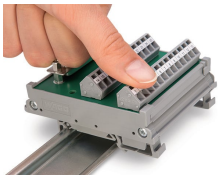
Conductor termination – screwdriver actuation parallel to conductor entry



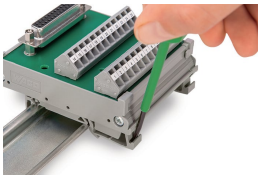
Conductor termination – screwdriver actuation perpendicular to conductor entry

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Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.

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