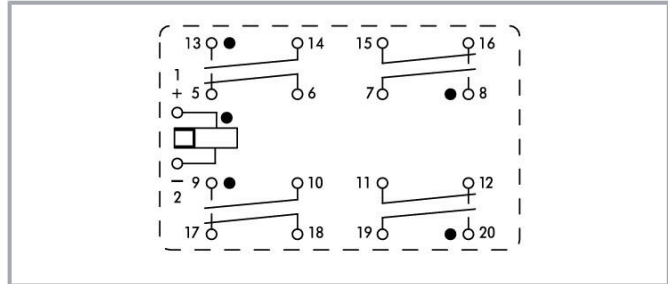
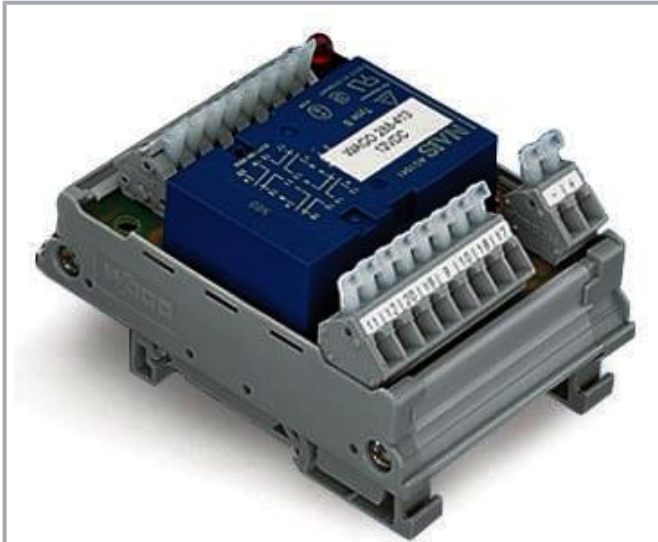


Data sheet | Item number: 288-414

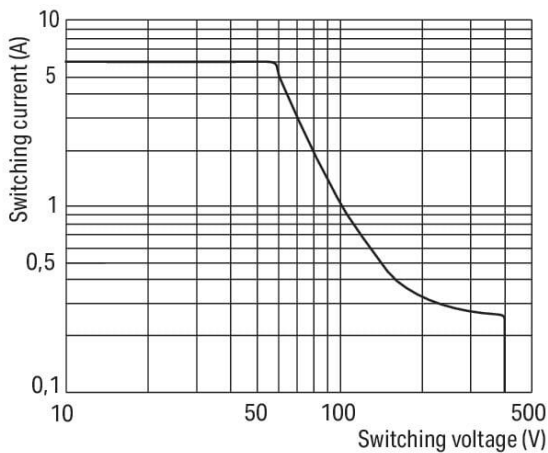
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

www.wago.com/288-414



i Picture differs from the item.

Color:



DC load limit curve

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

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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
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

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



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 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
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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

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

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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

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

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122 /19

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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

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Optional accessories

Marking accessories

Marking strip



Item no.: 709-196

Marking strips; for laser printer; translucent

www.wago.com/709-196



Item no.: 709-178

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

www.wago.com/709-178



Item no.: 709-177

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

www.wago.com/709-177

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

Downloads

Documentation

Bid Text

288-414 docx - Datei	2019 Feb 20	docx 17.8 kB	Download
288-414 X81 - Datei	2019 Feb 19	xml 5.5 kB	Download

Instruction Leaflet

pdf
1.3 MB
Download

Additional Information

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

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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

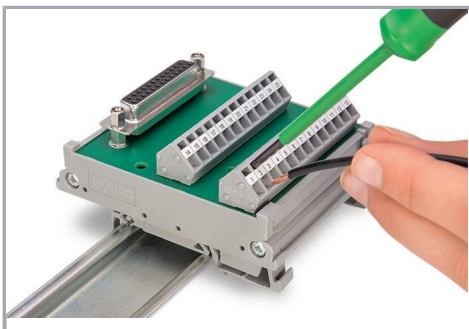
Compliance Search

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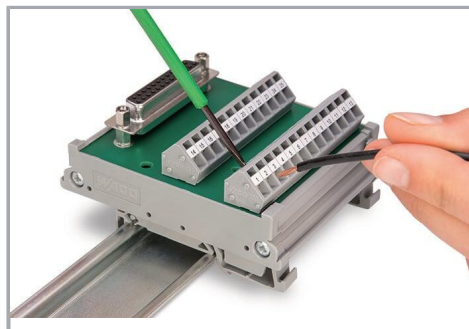
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

Installation Notes

Conductor termination



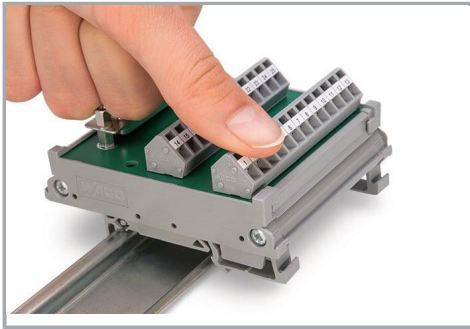
Conductor termination – screwdriver actuation parallel to conductor entry



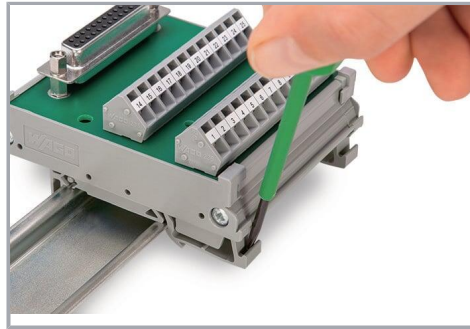
Conductor termination – screwdriver actuation perpendicular to conductor entry

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!