

Data Sheet | Item Number: 288-414

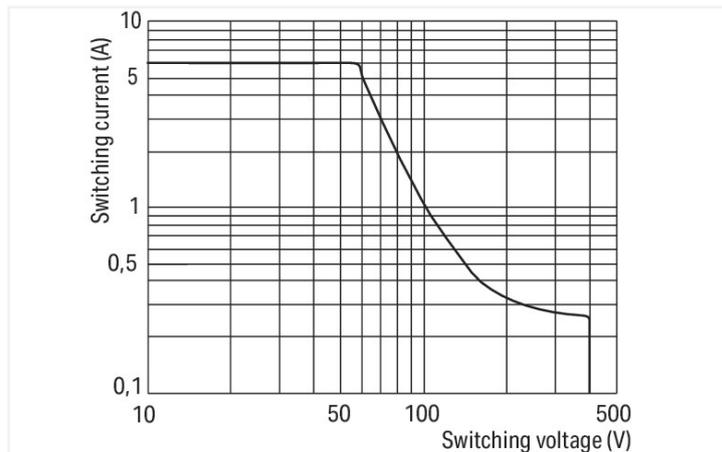
Relay module with driven contacts; Nominal input voltage: 24 V AC/DC; 4 break and 4 make contacts; Limiting continuous current: 6 A; Module width: 64 mm; 2,50 mm²; gray

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

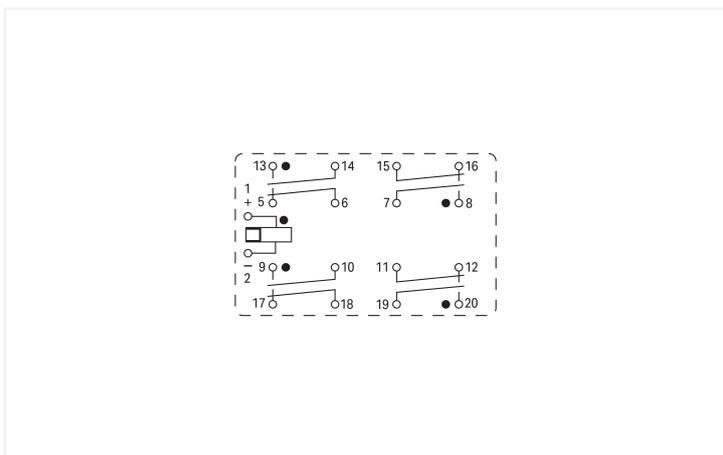


Color: ■ gray

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 | 24 VAC/VDC |
| 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. | 250 VAC |
| 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 impulse withstand 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 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 |
|---------------|-------------|

Material data

| | |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.802 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 |

Standards and Specifications

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Standards/specifications | EN 60664-1 EN 61810-1 EN 61810-3 ESTI (SEV): 09.1133 UL 508: E120782 TÜV: 968/EZ 116.02/09 |
|--------------------------|-----------------------------------------------------------------------------------------------------------|

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454192563 |
| Customs tariff number | 85364900990 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39122334 |
| eCl@ss 10.0 | 27-37-16-01 |
| eCl@ss 9.0 | 27-37-16-01 |
| ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

|  | | |
|------------------------------------------------------------------------------------|----------------|------------------|
| Approval | Standard | Certificate Name |
| EAC GZO Almaty Standart | TP TC 004/2011 | EAC CoC 03080 |

Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

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 | | | |
|-----------------------------------------------|-----------------------|-------------------|-------------------|
| Operation and Assembly Instructions Interface | V 1.0.0 02.04.2025 | pdf 1246.19 KB | ↓ |

CAD/CAE-Data

| CAD data | |
|----------------------|-------------------|
| 2D/3D Models 288-414 | ↓ |

| CAE data | |
|---------------------------|-------------------|
| 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



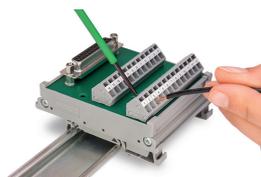
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry

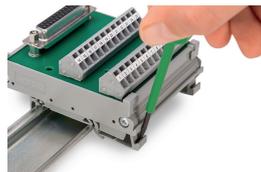


Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.