

## Data sheet | Item number: 789-325

Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; for lamp loads; Manual/OFF/Auto switch; Red status indicator; Module width: 18 mm

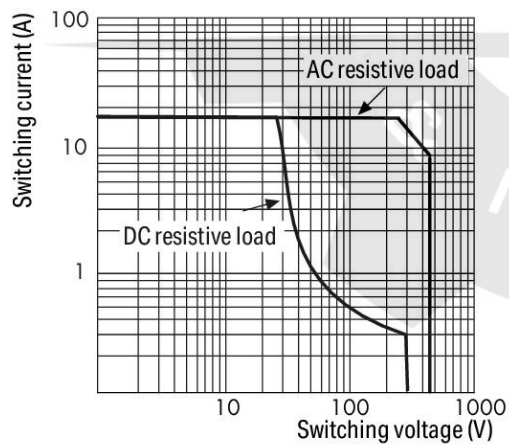
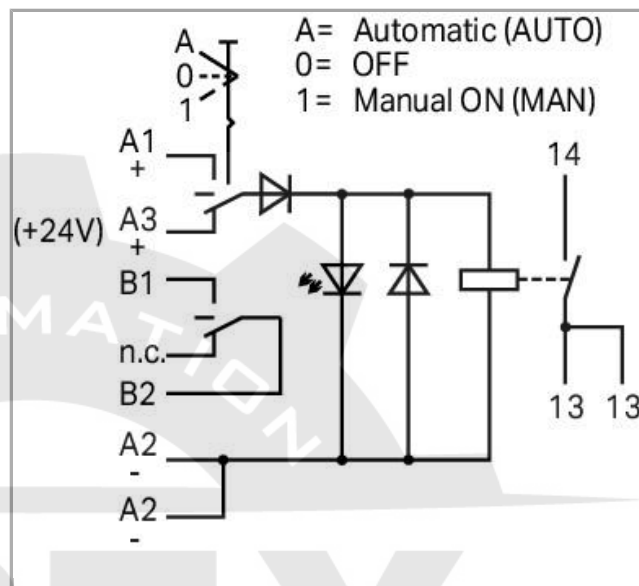


789-325



RoHS  
Compliant

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Load limit curve

### Item description

#### Note:

Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.

## Data

### Technical Data

#### Control circuit

|                                |               |
|--------------------------------|---------------|
| Nominal input voltage $U_N$    | DC 24 V       |
| Input voltage range            | -15 ... +20 % |
| Nominal input current at $U_N$ | 19 mA         |

#### Load circuit:

|                                               |                                            |
|-----------------------------------------------|--------------------------------------------|
| Number of make contacts/switch on contacts    | 1                                          |
| Contact material (relay)                      | AgSnO <sub>2</sub>                         |
| Limiting continuous current                   | 16 A                                       |
| Max. make current (resistive)                 | (AC) 120 A / 0.05 s                        |
| Max. switching voltage                        | AC 250 V                                   |
| Max. switching power (resistive)              | AC 4,000 VA; DC see load limit curve       |
| Recommended minimum load                      | 12 V / 10 mA                               |
| Pull-in time (typ.)                           | 15 ms                                      |
| Drop-out time (typ.)                          | 5 ms                                       |
| 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  |

#### Signaling

|                   |         |
|-------------------|---------|
| Status indication | LED red |
|-------------------|---------|

#### Safety and protection:

|                                                       |         |
|-------------------------------------------------------|---------|
| Rated voltage                                         | 250 V   |
| Rated impulse voltage                                 | 4 kV    |
| Pollution degree                                      | 2       |
| Dielectric strength, control/load circuit (AC, 1 min) | 4 kVrms |
| Dielectric strength open contact (AC, 1 min)          | 1 kVrms |
| Protection class                                      | IP20    |

#### Connection data

|                         |                                              |
|-------------------------|----------------------------------------------|
| Connection technology   | CAGE CLAMP®                                  |
| Solid conductor         | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |

|              |                                  |
|--------------|----------------------------------|
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |
|--------------|----------------------------------|

## Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 17.5 mm / 0.689 inch |
| Height from upper-edge of DIN-35 rail | 55 mm / 2.165 inch   |
| Depth                                 | 90 mm / 3.543 inch   |

## Mechanical data

|                  |             |
|------------------|-------------|
| Type of mounting | DIN-35 rail |
|------------------|-------------|

## Material Data

|           |          |
|-----------|----------|
| Fire load | 0 MJ     |
| Weight    | 57.816 g |

## Environmental Requirements

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Pollution degree                                          | 2             |
| Surrounding air (operating) temperature at U <sub>N</sub> | -25 ... 40 °C |
| Surrounding air (storage) temperature                     | -40 ... 70 °C |

## Standards and specifications

|                          |            |
|--------------------------|------------|
| Standards/specifications | EN 60664-1 |
|--------------------------|------------|

## Commercial data

|                    |                           |
|--------------------|---------------------------|
| Product Group      | 6 (Interface Electronics) |
| Country of origin  | DE                        |
| GTIN               | 4050821110132             |
| Customs Tariff No. | 85364900990               |

## Compatible products

### tools



Item no.: 210-720  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

### Jumper



Item no.: 789-112  
Push-in type jumper bar; 12-way; Nominal current 16 A; unplated

789-112

### Marking accessories

**Item no.: 248-504**

Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type

248-504

**ferrule****Item no.: 216-241**Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-241

**Item no.: 216-242**Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-242

**Item no.: 216-243**Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-243

**Item no.: 216-244**Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-244

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**Additional Information**

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

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