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Relay module, multi-channel, with 4 soldered-in miniature switching relays for DC voltage with light indicator and 1 N/O contact each, contact for medium to large loads, input voltage 24 V DC



### Key commercial data

Packing unit	5 pc
GTIN	4 017918 081300
Weight per Piece (excluding packing)	84.92 g
Custom tariff number	85364190
Country of origin	Germany

#### Technical data

#### **Dimensions**

Width	22.5 mm
Height	60 mm
Depth	79 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C 55 °C

#### Coil side

Nominal input voltage U <sub>N</sub>	24 V DC
Input voltage range in reference to U <sub>N</sub>	0.8 1.1
Nominal input current at U <sub>IN</sub>	12 mA
Typical response time	6 ms
Typical release time	10 ms
Operating voltage display	Yes
Protective circuit	Damping diode, polarity protection Damping diode, polarity protection diode



## Technical data

### Contact side

Contact type	Single contact, 1 N/O contact
Contact material	Silver cadmium oxide (AgCdO)
Maximum switching voltage	250 V AC/DC
Maximum inrush current	6 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	70 W (at 48 V DC)
	55 W (at 60 V DC)
	50 W (at 110 V DC)
	50 W (at 220 V DC)
	1500 VA (for 250 V AC)

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 2 x 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN EN 50178/VDE 0160
	IEC 60255/DIN VDE 0435 (in relevant parts)
Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

### Connection data

Connection method	Screw/plug-in connection

## Classifications

## eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001



## Classifications

### **ETIM**

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

#### **UNSPSC**

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121543
UNSPSC 11	39121543
UNSPSC 12.01	39121543
UNSPSC 13.2	39121543

## Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized **9** 

cUL Recognized

cULus Recognized Sus

Accessories

Accessories



### Accessories

Marking material - EMG-GKS 12 - 2947035



Equipment marker, width 12 mm

Connector set - MSTB-SET/EMUG 22- 4REL - 1780235

COMBICON connection plug set, with plug-in direction parallel to conductor axis

Connector set - MSTBP-SET/EMUG 22- 4REL - 1780264

COMBICON connection plug set, with plug-in direction parallel to conductor axis, with an additional test connection for a 2.0 or 2.3 mm ø test plug

Connector set - MVSTBR-SET/EMUG 22- 4REL - 1780293

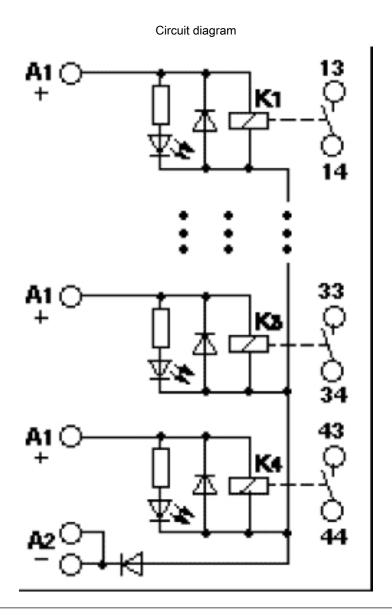
COMBICON connection plug set, with plug-in direction vertical to conductor axis

Connector set - FRONT-MSTB-SET/EMUG 22- 4REL - 1780329

COMBICON connection plug set, with front screw connection and plug-in direction parallel to conductor axis

### **Drawings**





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