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Extract from the online
catalog

EMUG 45- 4REL/KSR-G 24/21

Order No.: 2943767



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2943767>

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

Commercial data

EAN	4017918081317
Pack	5 pcs.
Customs tariff	85364190
Weight/Piece	0.13748 KG

Product notes

WEEE/RoHS-compliant since:
06/07/2007



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1

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Nominal input current at U_{IN}	21 mA
Typical response time	7 ms
Typical release time	11 ms
Operating voltage display	Yes
Name of protection	Damping diode, polarity protection
Protective circuit/component	Damping diode, polarity protection diode

Contact side

Contact type	Single contact, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	95 W (for 24 V DC)
	50 W (for 48 V DC)
	45 W (for 60 V DC)
	35 W (for 110 V DC)
	55 W (for 220 V DC)
	1500 VA (for 250 V AC)

General data

Width	45 mm
Height	79 mm
Depth	60 mm
Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min)
Ambient temperature (operation)	-20 °C ... 55 °C
Operating mode	100% operating factor
Service life mechanical	Approx. 2×10^7 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

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Mounting position	Any
Assembly instructions	In rows with zero spacing

Connection data

Type of connection	Screw/plug-in connection
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Accessories

Item	Designation	Description
General		
1780332	FRONT-MSTB-SET/EMUG 45-4REL	COMBICON connection plug set, with front screw connection and plug-in direction parallel to conductor axis
1780248	MSTB-SET/EMUG 45- 4REL	COMBICON connection plug set, with plug-in direction parallel to conductor axis
1780277	MSTBP-SET/EMUG 45- 4REL	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
1780303	MVSTBR-SET/EMUG 45- 4REL	COMBICON connection plug set, with plug-in direction vertical to conductor axis

Marking

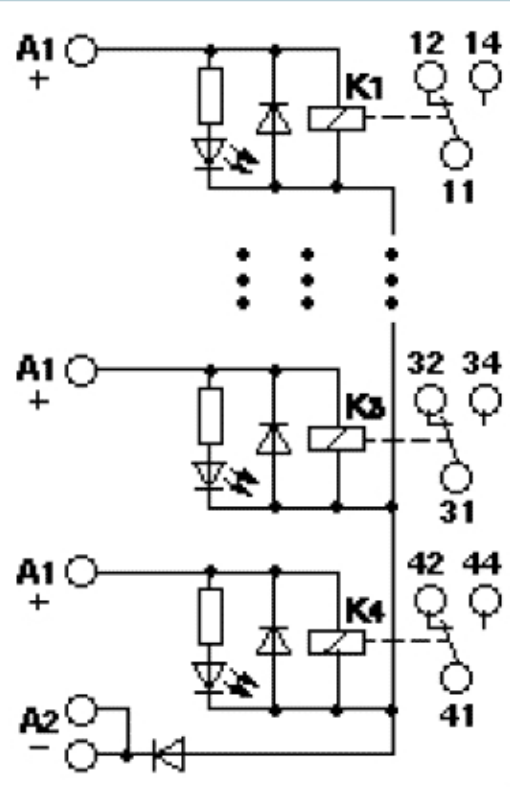
2947035	EMG-GKS 12	Equipment marker, width 12 mm
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Diagrams/Drawings

Circuit diagram



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