

CM 62-ELR-W3/100 - Reversing load relay



2944902

<https://www.phoenixcontact.com/us/products/2944902>

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Electronic reversing-load relay, for direct control of current consumers, with light indicator and protective circuit

Commercial data

Item number	2944902
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK7221
GTIN	4017918117931
Weight per piece (including packing)	248.9 g
Weight per piece (excluding packing)	195.6 g
Country of origin	DE

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Technical data

Product properties

Product type	Solid-state contactor
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Electrical properties

Maximum power dissipation for nominal condition	1.5 W
Reversing frequency	≤ 10 Hz

Supply

Input name	Device supply
Rated control circuit supply voltage U_S	24 V DC
Control supply voltage range	19.2 V DC ... 30 V DC
Rated control supply current I_S	approx. 40 mA

Input data

Control

Input name	Control input right/left
Rated actuating voltage U_C	24 V DC
Triggering voltage range	19.2 V DC ... 30 V DC
Rated actuating current I_C	5.5 A
Protective circuit	Reverse polarity protection; Polarity protection diode
Operating voltage display	Green LED
Status display	LED (yellow)
Switchover time R_L/L_L (turn-on time)	20 ms

Output data

AC output

Rated operating voltage U_e	230 V AC
Operating voltage range	184 V AC ... 253 V AC
Peak offstate voltage	600 V
Mains frequency	50 Hz 60 Hz
Load current	3x 100 mA
Residual voltage	approx. 3 V
Surge current	6 A (t = 10 ms)
Protective circuit	RCV circuit

Connection data

Control circuits

Connection method	Screw connection
Conductor cross-section rigid	2.5 mm ²
Conductor cross-section flexible	2.5 mm ²

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Conductor cross-section AWG	12
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Load circuit

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Conductor cross-section AWG	12

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 55 °C

Standards and regulations

Standards/regulations	VDE 0110
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	Vertical (horizontal DIN rail)

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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