

Reversing load relay - ELR W1/10-24DC - 2964306

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Electronic reversing load relay, for driving DC motors, with light indicator and protection circuit, output: 10-30 V DC/10 A



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918187637

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	62 mm
Height	84 mm
Depth	110 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP20

Input data

Input name	Device supply
Nominal supply voltage	24 V DC ±20 %
Input voltage range	19.2 V DC ... 28.8 V DC
Rated control circuit supply voltage U_s	24 V DC
Control supply voltage range	19.2 V DC ... 28.8 V DC

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Input data

Protective circuit	Reverse polarity protection Polarity protection diode
Status display	Green LED
Current consumption	max. 10 mA
Input name	Control input right/left
Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
Current consumption	approx. 3 mA

Output data load output

Output name	DC output
Operating voltage range	10 V DC ... 30 V DC
Nominal output voltage range	10 V DC ... 30 V DC
Type of protection	Reverse polarity protection
	Overload protection

General

Test voltage input/output	2.5 kV AC
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with spacing = 20 mm

Connection data

Connection name	Control circuits
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 10

Connection data 2

Connection name	Load circuit
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 10

Standards and Regulations

Standards/regulations	EN 50178
Overvoltage category	III

Environmental Product Compliance

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		TR_TS_D_00573_c
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>