

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 $\pm 20\%$
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 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27371014
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371000
eCl@ss 7.0	27371014
eCl@ss 8.0	27371014
eCl@ss 9.0	27371014

ETIM

ETIM 4.0	EC002055
ETIM 5.0	EC002055
ETIM 6.0	EC002055
ETIM 7.0	EC002055

UNSPSC

UNSPSC 6.01	30211915
UNSPSC 7.0901	39121514
UNSPSC 11	39121514
UNSPSC 12.01	39121514
UNSPSC 13.2	39121514
UNSPSC 18.0	39122333
UNSPSC 19.0	39122333
UNSPSC 20.0	39122333
UNSPSC 21.0	39122333

Approvals

Approvals

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EAC

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Approvals

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>