

## 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 STK
GTIN	 4 017918 187637
GTIN	4017918187637

### Technical data

#### Note

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

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### Output data load output

Operating voltage range	10 V DC ... 30 V DC
Nominal output voltage range	10 V DC ... 30 V DC
Protective circuit	Reverse polarity protection

### Connection data, control circuit

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

### Connection data load circuit

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Conductor cross section AWG	24 ... 10

## General

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

## 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

## Standards and Regulations

Standards/regulations	EN 50178
Overvoltage category	III

## Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
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### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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## Approvals

### Approvals

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#### Approvals


EAC

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#### Ex Approvals

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### Approval details

EAC		RU C- DE.A*30.B.01082
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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>