

Reversing load relay - PLC-SP-ELR W1/ 2-24DC - 2980555



The figure shows item PLC-SC-ELR W1/2-24DC

PLC-INTERFACE as an electronic reversing load relay, consisting of PLC-BSP.../21 basic terminal block with spring-cage connection and integrated circuit, for driving DC motors, with LED and protective circuit, output: 10 ... 30 V DC/2 A

[Overview](#)[Technical data](#)[Accessories](#)[Approvals](#)[Downloads](#)

Drawings

Input data

Connection data, control circuit

General

Ambient conditions

Classifications

Note

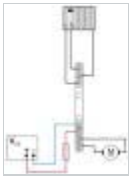
Output data load output

Connection data load circuit

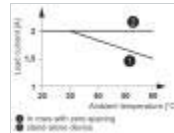
Dimensions

Standards and Regulations

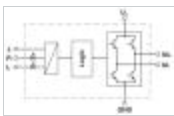
Drawings



Application drawing



Diagram



Circuit diagram

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 input voltage U_N	24 V DC $\pm 20\%$ (Control voltage U_{ST} right/left)
Input voltage range	19.2 V DC ... 28.8 V DC
Typical input current at U_N	approx. 3 mA (Control input current I_{ST} right/left)
Rated control circuit supply voltage U_S	24 V DC
Control supply voltage range	19.2 V DC ... 28.8 V DC
Transmission frequency	300 Hz
Protective circuit	Reverse polarity protection Polarity protection diode
	Surge protection
Surge voltage protection	> 33 V DC

Typical response time	200 μ s
Status display	Yellow LED
Switchover time R_L/L_L (turn-on time)	80 ms
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

Output data load output

Nominal output voltage	24 V DC
Operating voltage range	10 V DC ... 30 V DC
Nominal output voltage range	10 V DC ... 30 V DC
Protective circuit	Reverse polarity protection Polarity protection diode

Connection data, control circuit

Connection name	Control circuits
Connection method	Spring-cage connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Connection data load circuit

Connection name	Load circuit
Connection method	Spring-cage connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

General

Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Flammability rating according to UL 94	V0

Dimensions

Width	6.2 mm
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Height	80 mm
Depth	86 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	IEC 60664
	EN 50178
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	II
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 5.1	27371014
eCl@ss 6.0	27371014
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

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

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