

# EMG 45-ELR3/1,5

Order No.: 2942739




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Electronic load relay, for direct driving of equipment in the 3-phase network, with light indicator and protection circuit, output: 320 V AC .... 440 V AC/3x 1.5 A



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## Commercial data

GTIN (EAN)	 4 017918 080822
sales group	G410
Pack	5 pcs.
Customs tariff	85364900
Catalog page information	Page 173 (IF-2009)

## Technical data

### Input data

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
Typical input current at $U_N$	20 mA
Switching threshold "0" signal in reference to $U_N$	< 0.3
Switching threshold "1" signal in reference to $U_N$	> 0.8
Reaction time in normal load operation	20 ms

Transmission frequency	1 Hz (With ohmic load)
	1 Hz (At $\cos \phi = 0.5$ )
Input name	Device supply
Protective circuit	Protection against polarity reversal Series polarity protection diode
	Surge protection
Status display	Yellow LED

#### Output data, load relay

Output name	AC output
Nominal output voltage	400 V AC
Nominal output voltage range	320 V AC ... 440 V AC
Periodic peak reverse voltage	600 V (load relay is not suitable for the construction of reversing circuits.)
Mains frequency	50 Hz
	60 Hz
Continuous load current	max. 1.5 A (see derating curve)
Leakage current	Typ. 7 mA
Residual voltage	Typ. 1 V
Surge current	100 A ( $t_p = 10$ ms, at 25 °C)
Type of protection	RC element
Protective circuit/component	RC element
Type of protection	Surge protection

#### Connection data

Type of connection	Screw connection
Stripping length	8 mm
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3

#### General data

Width	45 mm
Height	75 mm

Depth	82.5 mm
Test voltage input/output	3.5 kV
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with > 20 mm spacing
Operating mode	100% operating factor
Degree of protection	IP20
Name	Air and creepage distances between the power circuits
Standards/regulations	EN 50178
	Basic insulation
Name	Power station requirements
	EMC regulations
Standards/regulations	EN 61000-6-2
	EN 61000-6-4

**Certificates / Approvals**

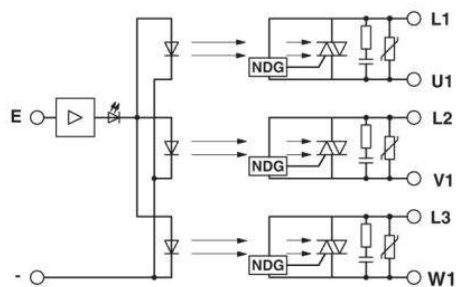


Certification

GOST

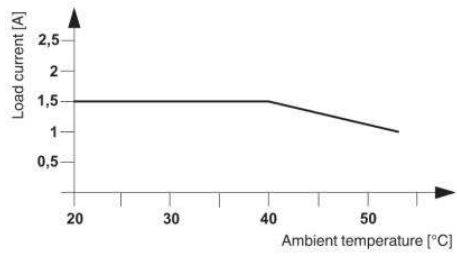
**Diagrams/Drawings**

Block diagram



Diagram

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