

ELR 1/25-240

This product has been replaced by a newer version.

Order No.: 2964694



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1-phase electronic load relay, input: 4 - 32 V DC, output: 24 - 280 V
AC/ 25 A

Commercial data

EAN	4017918147617
Pack	1 Pcs.
Customs tariff	85364900
Weight/Piece	0.2651 KG
Catalog page information	Page 140 (IF-2005)

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information and data, please refer
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Technical data

Input data

Input name	Device supply
Nominal supply voltage	24 V DC
Input voltage range in reference to U_N	0.2 ... 1.3
Typical input current at U_N	8 mA
Switching threshold "0" signal in reference to U_N	< 0.04
Switching threshold "1" signal in reference to U_N	> 0.2
Transmission frequency	30 Hz
Typical response time	10 ms

Typical turn-off time	10 ms
Status display	LED green

Output data, load relay

Output name	AC output
Nominal output voltage	230 V AC
Nominal output voltage range	24 V AC ... 280 V AC
Periodic peak reverse voltage	1000 V (Periodic peak reverse voltage)
Mains frequency	50 Hz 60 Hz
Continuous load current	25 A (see derating curve)
Load current	Min. 100 mA
Leakage current	3 mA
Residual voltage	1.8 V
Surge current	400 A (t = 8.33 ms, @ 25°C)
Max. load value	720 A ² s
Name of protection	RC element
Protective circuit/component	RC element
Name of protection	Surge protection

Connection data

Type of connection	Screw connection
Stripping length	8 mm
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Screw thread	M 3

General data

Length	98 mm
Width	22.5 mm
Height	105 mm
Test voltage input/output	4 kV

Ambient temperature (operation)	-20 °C ... 80 °C
Mounting position	Panel mounting on horizontal DIN rail
Assembly instructions	Can be aligned with > 40 mm spacing
Operating mode	100% operating factor
Name	EMC regulations
Standards/regulations	EN 61000-4-4
	EN 61000-4-5

Certificates / Approvals

Approval logo

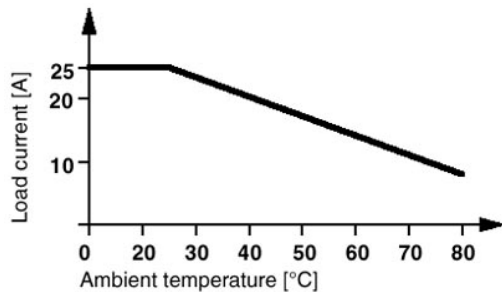


requested approbations

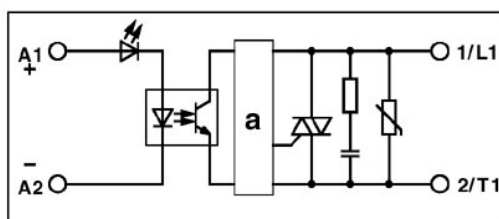
Certification	CUL, GOST, UL
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Drawings

Diagram



Circuit diagram



a = zero voltage switch

Address

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