

ELR 1- 24DC/600AC-30

Order No.: 2297154

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297154>Single-phase solid-state contactor, input voltage: 24 V AC, output
current: 30 A, zero voltage switch

Commercial data	
EAN	4046356132039
Pack	1 pcs.
Customs tariff	85371099
Weight/Piece	0.255 KG
Catalog page information	Page 175 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
02/26/2008

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Technical data

Input data

Input voltage range	4 V DC ... 32 V DC
Typical input current at U_N	Approx. 12 mA
Switching threshold "0" signal, voltage	≤ 1 V DC
Switching threshold "1" signal voltage	≥ 4 V DC

Transmission frequency	25 Hz
Operating voltage display	LED green

Output data, load relay

Nominal output voltage range	42 V AC ... 660 V AC (45/65 Hz)
Periodic peak reverse voltage	1200 V
Mains frequency	45 Hz 65 Hz
Load current	30 A (see derating curve)
Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	400 A (t = 10 ms)
Max. load value	1800 A ² s
Name of protection	RCV circuit
Protective circuit/component	RCV circuit

General data

Width	22.5 mm
Height	103 mm
Depth	103 mm
Test voltage input/output	4 kV _{rms}
Ambient temperature (operation)	-30 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 70 °C
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with ≥ 22.5 mm spacing
Name	Air and creepage distances between the power circuits
Standards/regulations	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 55011
Rated surge voltage / insulation	Basic insulation

Certificates / Approvals

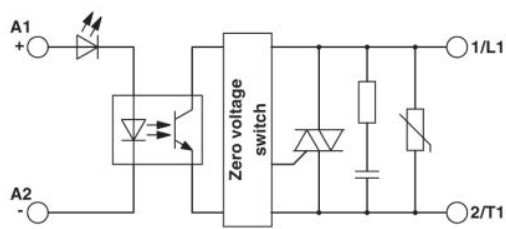


Certification

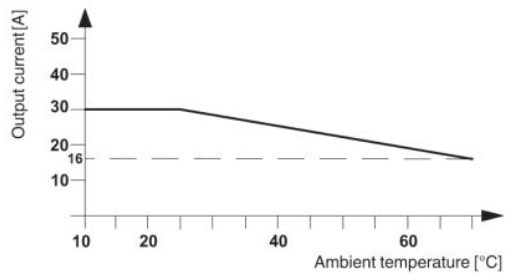
CUL, UL

Diagrams/Drawings

Block diagram



Diagram



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