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For any questions, you can email us directly:

sales@integrated-circuit.com



Extract from the online catalog

ELR 1- 24DC/600AC-50

Order No.: 2297170



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297170>

Single-phase solid-state contactor, input voltage: 24 V AC, output current: 50 A, zero voltage switch



Commercial data

GTIN (EAN)	
sales group	G403
Pack	1 pcs.
Customs tariff	85371099
Catalog page information	Page 175 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
03/27/2008



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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

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Transmission frequency	25 Hz
Operating voltage display	Green LED

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	50 A (see derating curve)
Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	1900 A (t = 10 ms)
Max. load value	18000 A ² s
Type of protection	RCV circuit
Protective circuit/component	RCV circuit

General data

Width	45 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
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 61000-4-6
	EN 55011
	Basic insulation
Rated surge voltage / insulation	Basic insulation

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Certificates / Approvals

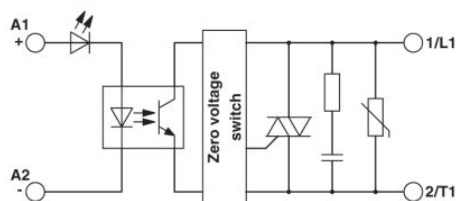


Certification

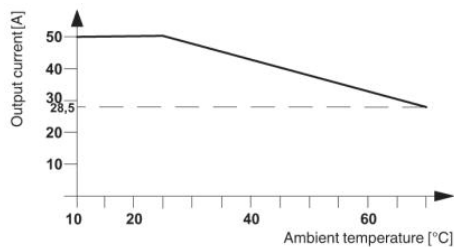
CUL, UL

Diagrams/Drawings

Block diagram



Diagram



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