



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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	$\leq 1$ V DC
Switching threshold "1" signal voltage	$\geq 4$ V DC

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 <sup>2</sup> 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 <sub>rms</sub>
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
Rated surge voltage / insulation	Basic insulation Basic insulation

## Certificates / Approvals

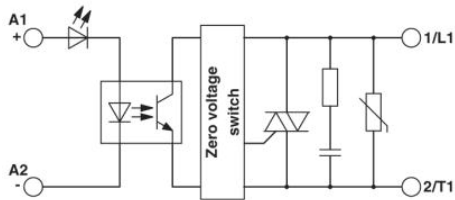


Certification

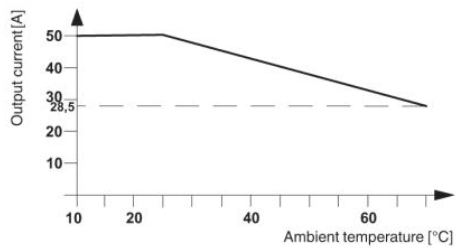
CUL, UL

## Diagrams/Drawings

Block diagram



Diagram



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