



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 2+1-230AC/500AC-37

Order No.: 2297280

The figure shows version: ELR 3-230AC/500AC-16



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297280>

Three-phase solid-state contactor with 230 V AC input, 37 A output current, zero voltage switch, optionally with thermal fuse



Commercial data	
GTIN (EAN)	
Note	Made-to-order
sales group	G414
Pack	1 pcs.
Customs tariff	85364900
Catalog page information	Page 171 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
05/29/2008



<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	
<b>Input data</b>	
Mains frequency	50 Hz
	60 Hz
Rated actuating voltage $U_c$	230 V AC

Rated actuating voltage range with reference to $U_c$	0.4 ... 1.1
Rated actuating current $I_c$	12.5 mA
Switching threshold "0" signal, voltage	48 V AC
Switching threshold "1" signal voltage	96 V AC
Protective circuit	Surge protection Varistor
Status display	Yellow LED
Indication	Red LED

#### Output data, load relay

Output name	AC output
Nominal output voltage	500 V AC
Nominal output voltage range	48 V AC ... 575 V AC
Periodic peak reverse voltage	1200 V
Load current	max. 37 A (see derating curve)
Leakage current	6 mA
Residual voltage	< 1.5 V
Surge current	1300 A (t = 10 ms)
Max. load value	9000 A <sup>2</sup> s
Type of protection	RCV circuit
Surge voltage protection	> 575 V AC

#### General data

Width	147.5 mm
Height	99 mm
Depth	114.5 mm
Test voltage input/output	5 kV <sub>rms</sub>
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with spacing = 40 mm
Operating mode	100% operating factor
Degree of protection	IP20
Name	Standards/regulations
Standards/regulations	DIN EN 50178
	EN 60947
Name	Power station requirements

Standards/regulations	DWR 1300 / ZXX01/DD/7080.8d
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated surge voltage / insulation	6 kV / Basic isolation
Rated insulation voltage	500 V
Pollution degree	2
Surge voltage category	III

**Certificates / Approvals**

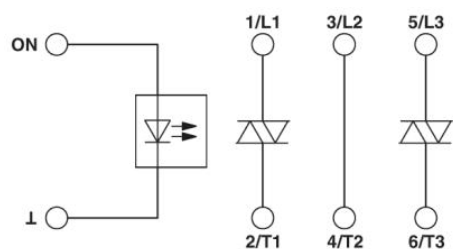


Certification CUL Listed, UL Listed

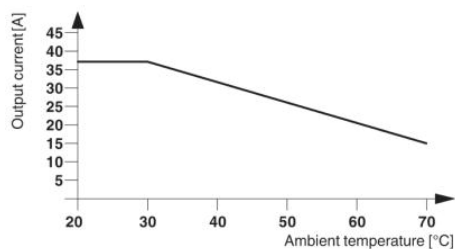
Certifications applied for: GL

**Diagrams/Drawings**

Block diagram



Diagram



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