Extract from the online catalog

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



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.

Commercial data	
GTIN (EAN)	4 046356 175647
Note	Made-to-order
sales group	G414
Pack	1 pcs.
Customs tariff	85364900
Catalog page information	Page 171 (IF-2009)

Technical data

Input data

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^2s
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_{rms}
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

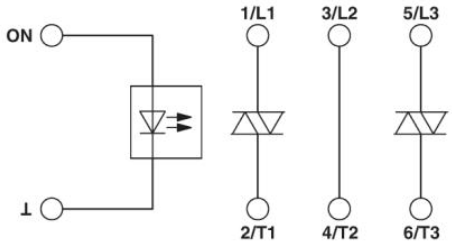
Standards/regulations	DWR 1300 / ZXX01/DD/7080.8d
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated surge voltage / insulation	6 kV / Basic isolation
Rated insulation voltage	500 V
Pollution degree	2
Surge voltage category	III

Certificates / Approvals

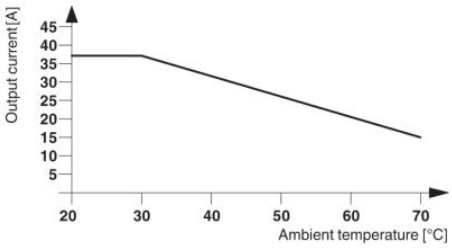
Certification	CUL Listed, UL Listed
Certifications applied for:	GL

Diagrams/Drawings

Block diagram



Diagram



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