Extract from the online catalog

ELR 3-230AC/500AC- 9

Order No.: 2297222



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297222

Three-phase solid-state contactor with 230 V AC input, 9 A output current, zero voltage switch, optionally with thermal fuse



Product notes

WEEE/RoHS-compliant since: 02/15/2008

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 175586
sales group	G411
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. 9 A (see derating curve)
Leakage current	6 mA
Residual voltage	< 1.5 V
Surge current	300 A (t = 10 ms)
Max. load value	580 A^2s
Type of protection	RCV circuit
Surge voltage protection	> 575 V AC

Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12

General data

Width	67.5 mm
Height	99 mm
Depth	114.5 mm
Test voltage input/output	5 kV_{rms}
Ambient temperature (operation)	-25 °C ... 70 °C

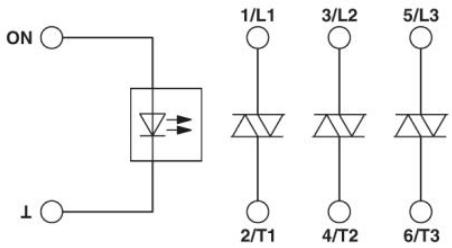
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with spacing = 20 mm
Operating mode	100% operating factor
Degree of protection	IP20
Name	Standards/regulations
Standards/regulations	DIN EN 50178
	EN 60947
Name	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

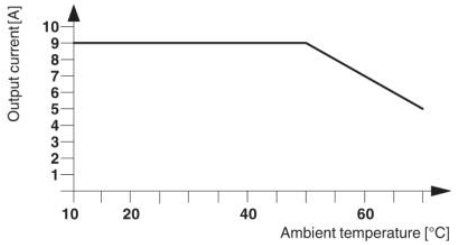
Certification	CUL Listed, UL Listed
Certifications applied for:	GL

Diagrams/Drawings

Block diagram



Diagram


Output current [A]
10
9
8
7
6
5
4
3
2
1
10
20
40
60
Ambient temperature [°C]

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057,USA
Phone (800) 888-7388
Fax (717) 944-1625
http://www.phoenixcon.com

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