

## Excellent Integrated System Limited

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Extract from the online catalog

## ELR W3-230AC/500AC-16

Order No.: 2297345

The figure shows version: ELR W2+1- 24DC/500AC-37



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297345>

Three-phase solid-state reversing contactor with 230 V AC input, 16 A output current, zero voltage switch, optionally with thermal fuse



### Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	G422
Pack	1 pcs.
Customs tariff	85364900
Catalog page information	Page 167 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
02/25/2008



<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

Mains frequency	50 Hz
	60 Hz
Rated actuating voltage $U_c$	230 V AC (Ensure phase balance)

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Rated actuating voltage range with reference to $U_c$	0.4 ... 1.1
Rated actuating current $I_c$	11.2 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. 16 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 <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

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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**

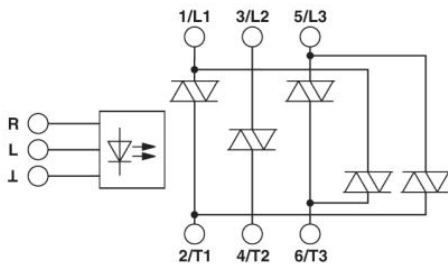


Certification CUL Listed, UL Listed

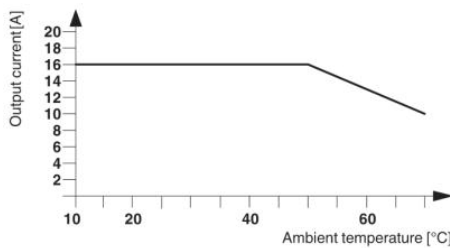
Certifications applied for: GL

**Diagrams/Drawings**

Block diagram



Diagram



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**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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