

# ELR 1-230AC/600AC-20


Order No.: 2297141



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297141>

Single-phase solid-state contactor, input voltage: 230 V AC, output current: 20 A, zero voltage switch



Commercial data	
GTIN (EAN)	 4 046356 132015
sales group	G401
Pack	1 pcs.
Customs tariff	85362010
Catalog page information	Page 174 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
03/24/2009



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Technical data	
<b>Input data</b>	
Input voltage range	24 V AC ... 275 V AC
Typical input current at $U_N$	Approx. 17 mA
Switching threshold "0" signal, voltage	$\leq 6$ V AC
Switching threshold "1" signal voltage	$\geq 22$ V AC

Transmission frequency	6 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	20 A (see derating curve)
Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	250 A (t = 10 ms)
Max. load value	525 A <sup>2</sup> s
Type of protection	RCV circuit
Protective circuit/component	RCV circuit

**General data**

Width	22.5 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
Name	Air and creepage distances between the power circuits
Standards/regulations	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 55011 Basic insulation
Rated surge voltage / insulation	Basic insulation

## Certificates / Approvals



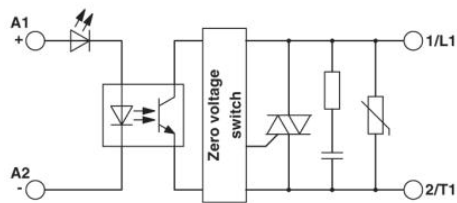
Certification

CUL, UL

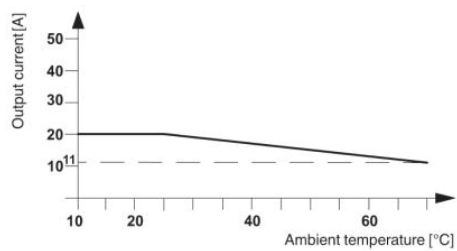
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## Diagrams/Drawings

Block diagram



Diagram



**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



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