

ELR 1-230AC/600AC-50

Order No.: 2297183

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2297183>

Single-phase solid-state contactor, input voltage: 230 V AC, output
current: 50 A, zero voltage switch

Commercial data

EAN	4046356132008
Pack	1 pcs.
Customs tariff	85362010
Weight/Piece	0.4206 KG
Catalog page information	Page 175 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
04/28/2009



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information and data, please refer
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Technical data

Input data

Input voltage range	24 V AC ... 275 V AC
Typical input current at U_N	Approx. 17 mA
Switching threshold "0" signal, voltage	≤ 6 V AC
Switching threshold "1" signal voltage	≥ 22 V AC
Transmission frequency	6 Hz

Operating voltage display	LED green
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	50 A (see derating curve)
Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	1900 A (t = 10 ms)
Max. load value	18000 A ² s
Name of protection	RCV circuit
Protective circuit/component	RCV circuit
General data	
Width	45 mm
Height	103 mm
Depth	103 mm
Test voltage input/output	4 kV _{rms}
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
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 61000-4-6
	EN 55011
Rated surge voltage / insulation	Basic insulation

Certificates / Approvals

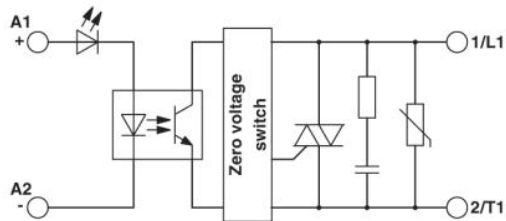


Certification

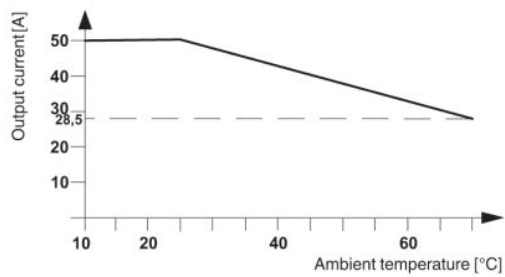
CUL, UL

Drawings

Block diagram



Diagram



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