INDUSTRIAL COMPONENT DATA

ELR 1-SC-230AC/600AC-20 1032920 PHOENIX CONTACT Single-phase solid-state contactor, input voltage: 230 V AC,..

Brand: PHOENIX CONTACT | Manufacturer Part Number: ELR 1-SC-230AC/600AC-20



Manufacturer	PHOENIX CONTACT
MPN / Reference	ELR 1-SC-230AC/600AC-20
Catalog number	1032920
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-BE7D24D7A1
Generated	2026-11-18

Product Overview

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

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Industrial Relays

Additional Product Information

Technical dataProduct propertiesProduct type Solid-state contactor
Data management status
Article revision 01
Electrical propertiesNumber of phases 1
Maximum power dissipation for nominal condition 20 W
Mains type 1-phase
Input dataControl
Input name Control input
Rated actuating voltage UC 230 V AC
Triggering voltage range 24 V AC ... 275 V AC
24 V DC ... 190 V DC
Rated actuating current IC approx. 17 mA
Switching threshold <= 5 V AC/DC (“0” signal)
>= 20 V AC/DC (“1” signal)
Operating voltage display Green LED

Transmission frequency 6 Hz
Output dataLoad output
Operating voltage range 42 V AC ... 660 V AC
Rated operating current at AC-51 20 A
Rated operating current at AC-53a 5 A (TA= 25 °C)
5 A (TA= 40 °C)
Peak offstate voltage 1200 V
Mains frequency 45 Hz
65 Hz
Load current range 150 mA ... 20 A (see to derating)
Leakage current < 3 mA (In off state)
Residual voltage < 1 V
Surge current 325 A (t = 10 ms)
Max. load value 525 A2s
Protective circuit Varistor
Phase angle cos phi min 0.5
Connection dataControl circuits
Connection method Screw connection
Stripping length 8 mm
Screw thread M3
Conductor cross section rigid 0.5 mm² ... 2.5 mm²
Conductor cross section flexible 0.5 mm² ... 2.5 mm²
Conductor cross section AWG 18 ... 12
Load circuit
Connection method Screw connection
Stripping length 12 mm
Screw thread M4
Conductor cross section rigid 2.5 mm² ... 6 mm²
Conductor cross section flexible 1 mm² ... 4 mm²
Conductor cross section AWG 14 ... 10
Protective conductor connection....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ELR 1-SC-230AC/600AC-20 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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