

INDUSTRIAL COMPONENT DATA

ELR 1-SC-24DC/600AC-30 1032921 PHOENIX CONTACT

Single-phase solid-state contactor, input voltage: 24 V DC, o..

Brand: PHOENIX CONTACT | Manufacturer Part Number: ELR 1-SC-24DC/600AC-30



Manufacturer	PHOENIX CONTACT
MPN / Reference	ELR 1-SC-24DC/600AC-30
Catalog number	1032921
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-ECFBFF80BA
Generated	2026-08-02

Product Overview

Single-phase solid-state contactor, input voltage: 24 V DC, output current: 30 A, zero voltage switch

Single-phase semiconductor contactor, input voltage: 24 V DC, output current: 30 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

Key Commercial Data

Orderkey 1032921

Packing unit 1 pc

Catalog page Page 49 (C-5-2019)

GTIN 4055626537924

Weight per Piece (excluding packing) 260.000 g

Custom tariff number 85362010

Country of origin MT (Malta)

Drawings

Ambient conditions

Output data load output

Connection data

Standards and Regulations

Dimensions

Input data

General

Connection data 2

Classifications

Drawings

Block diagram

Back to topDimensions

Width 18 mm

Height 110 mm

Depth 103 mm

Back to topAmbient conditions

Ambient temperature (operation) -30 °C ... 70 °C

Ambient temperature (storage/transport) -40 °C ... 80 °C

Back to topInput data

Input name Control input

Rated actuating voltage UC 24 V DC

Triggering voltage range 4 V DC ... 32 V DC

Rated actuating current IC approx. 12 mA

Switching threshold ≤ 1 V DC ("0" signal)

≥ 4 V DC ("1" signal)

Transmission frequency 25 Hz

Operating voltage display Green LED

Back to topOutput data load output

Output name Load output

Operating voltage range 42 V AC ... 660 V AC

Load current range 250 mA ... 30 A (see to derating)

Rated operating current at AC-51 30 A

Rated operating current at AC-53a 15 A (TA= 25 °C)

5 A (TA= 40 °C)

Leakage current < 3 mA (In off state)

Residual voltage < 1 V

Surge current 600 A (t = 10 ms)

Type of protection Varistor

Back to topGeneral

Mounting position Vertical (horizontal DIN rail)

Assembly instructions Can be aligned with ≥ 22.5 mm spacing

Back to topConnection data

Connection name Control circuits

Connection method Screw connection

Strippi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ELR 1-SC-24DC/600AC-30 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.