

INDUSTRIAL COMPONENT DATA

BT-1S-230AC/O 2800625 PHOENIX CONTACT Type 3 surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: BT-1S-230AC/O



Manufacturer	PHOENIX CONTACT
MPN / Reference	BT-1S-230AC/O
Catalog number	2800625
Category	Surge protection device for terminal equipment
Minimum order	1 Pcs
Document ID	EO-8A21AB09DB
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Product Overview

Type 3 surge protection device

Type 3 unloader for universal mounting in installation boxes, gutters, recessed installations or directly on the terminal equipment. Circuit with thermal control, optical defect indication. Installation in branch or pass-through wiring. Execution: 230 V AC

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 > Trabtech (TT)
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Additional Product Information

Key Commercial Data

Orderkey 2800625

Packing unit 1 pc

Note Made to Order (non-returnable)

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GTIN 4046356620437

Weight per Piece (excluding packing) 42.400 g

Custom tariff number 85363030

Country of origin DE (Germany)

Dimensions

Height 43 mm

Width 22.5 mm

Depth 27.4 mm

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -30 °C ... 75 °C

Ambient temperature (storage/transport) -30 °C ... 75 °C

Altitude $\leq$ 2000 m (amsl (above mean sea level))

Permissible humidity (operation) 5 % ... 95 %

General

EN type T3

IEC power supply system TN-S

TT

IT with N conductor

Number of ports One

Mode of protection L-N

L-PE

N-PE

Mounting type Screw mounting

Color jet black RAL 9005

Housing material PA 6.6

Degree of pollution 2

Distance between live and grounded parts 3 mm

Flammability rating according to UL 94 V-0

Type Installation module

Number of positions 2

Surge protection fault message optical

Protective circuit

Nominal voltage UN 230/400 V AC (TN-S)

230/400 V AC (TT - only in use with RCD)

Nominal frequency fN 50 Hz (60 Hz)

Maximum continuous operating voltage UC(L-N) 275 V AC

Maximum continuous operating voltage UC(L-PE) 440 V AC

Maximum continuous operating voltage UC(N-PE) 440 V AC

Rated load current IL 16 A (30 °C)

Residual current IPE $\leq$ 3 μ A

Nominal discharge current $I_n(8/20)$ μ s 3 kA

Standby power consumption PC $\leq$ 400 mVA

Reference test voltage UREF 255 V AC

Max. discharge current $I_{max}(8/20)$ μ s 8 kA

Combination wave UOC 6 kV

Energy...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BT-1S-230AC/O 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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