

INDUSTRIAL COMPONENT DATA

BT-1S-230AC/A 2803409 PHOENIX CONTACT Type 3 surge protection device

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	BT-1S-230AC/A
Catalog number	2803409
Category	Surge protection device for terminal equipment
Minimum order	1 Pcs
Document ID	EO-F537450F42
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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. Temperature-controlled circuit, acoustic defect indication. Installation in branch or pass-through wiring.

Workmanship: 230 V AC

Type 3 arrester for universal mounting in installation boxes, sill-type trunking, underfloor installations or directly in the termination device. Circuit with thermal monitoring, acoustic fault warning. Installation in branch or through wiring. Design: 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

Technical dataProduct propertiesProduct type Device protection

Product family BLOCKTRAB

IEC power supply system TN-S

TT

IT with N conductor

Type Installation module

Distance between live and grounded parts 3 mm

Number of positions 2

Surge protection fault message Acoustic

Data management status

Article revision 08

Insulation characteristics

Overvoltage category III

Pollution degree 2

IEC test classification III

T3

EN type T3

Number of ports One

Distance between live and grounded parts 3 mm

Connection dataConnection method Spring-cage connection

Conductor cross section flexible 0.2 mm² ... 2.5 mm²

Conductor cross section rigid 0.2 mm² ... 2.5 mm²

Conductor cross section AWG 24 ... 14

DimensionsDimensional drawing

Width 22.5 mm

Height 43 mm

Depth 26.2 mm

Material specificationsColor black (RAL 9005)

Flammability rating according to UL 94 V-0

CTI value of material 600

Insulating material PA 6.6

Housing material PA 6.6

Protective circuitMode of protection L-N

L-PE

N-PE

Direction of action L(N)-PE

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 ≤ 3 μA

Standby power consumption PC ≤ 400 mVA

Reference test voltage UREF 255 V AC

Nominal discharge current In(8/20) μs 3 kA

Maximum discharge current I_{max}...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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