INDUSTRIAL COMPONENT DATA

VAL-MS 230/3+1 2838209 PHOENIX CONTACT Type 2 surge arrester

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS 230/3+1



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-MS 230/3+1
Catalog number	2838209
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-66C7429C95
Generated	2026-11-18

Product Overview

Type 2 surge arrester
Surge arrester consisting of base element and plug-in protections, for installation on NS 35/7.5, nominal voltage: 230 V AC, circuit 3 + 1

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)

Additional Product Information

Key Commercial Data
Orderkey 2838209
Packing unit 1 pc
Catalog page Page 52 (C-4-2017)
GTIN 4017918172824
Weight per Piece (excluding packing) 343.600 g
Custom tariff number 85363030
Country of origin DE (Germany)
Dimensions
Height 89.8 mm
Width 71 mm
Depth 65.7 mm (incl. DIN rail 7.5 mm)
Horizontal pitch 4 Div.

Ambient conditions
Degree of protection IP20 (only when all terminal points are used)
Ambient temperature (operation) -40 °C ... 80 °C
Ambient temperature (storage/transport) -40 °C ... 80 °C
Altitude <= 2000 m (amsl (above mean sea level))
Permissible humidity (operation) 5 % ... 95 %
Shock (operation) 25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation) 5g (10 ... 500 Hz / 2.5 h / X, Y, Z)
General
IEC test classification II
T2
EN type T2
IEC power supply system TN-S
TT
Mode of protection L-N
L-PE
N-PE
Mounting type DIN rail: 35 mm
Color jet black RAL 9005
Housing material PA 6.6
PBT
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type DIN rail module, two-section, divisible
Number of positions 4
Surge protection fault message optical
Protective circuit
Nominal voltage UN 240/415 V AC (TN-S)
240/415 V AC (TT)
Nominal frequency fN 50 Hz (60 Hz)
Maximum continuous operating voltage UC(L-N) 275 V AC
Maximum continuous operating voltage UC(L-PE) 275 V AC
Maximum continuous voltage UC(N-PE) 260 V AC
Rated load current IL 80 A
Residual current IPE <= 5 µA
Standby power consumption PC <= 360 mVA
Nominal discharge current In(8/20) µs 20 kA
Maximum dis...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS 230/3+1 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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