

**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-EDD4976F93                                    |
| Generated       | 2026-08-03                                       |

## 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 &gt; Trabtech (TT)

## Additional Product Information

Key Commercial Data

Orderkey 2838209

Packing unit 1 pc

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

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

Shock (operation) 25g (Half-sine / 11 ms /  $3x \pm X, \pm Y, \pm Z$ )

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  $\leq$  5  $\mu$ A

Standby power consumption PC  $\leq$  360 mVA

Nominal discharge current  $I_n(8/20)$   $\mu$ s 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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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