

## INDUSTRIAL COMPONENT DATA

# VAL-MS 320/3+1/FM-UD 2856689 PHOENIX CONTACT Type 2 surge arrester

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS 320/3+1/FM-UD



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                  |
| MPN / Reference | VAL-MS 320/3+1/FM-UD                             |
| Catalog number  | 2856689                                          |
| Category        | Surge protection device for power supply systems |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-B3FBE6D34B                                    |
| Generated       | 2026-08-01                                       |

## Product Overview

Type 2 surge arrester

Surge arrester consisting of a base element with FM remote indication contact and plug-in protections, for installation on NS 35/7.5, nominal voltage: 320 V AC, circuit "3 + 1"

Surge voltage arrester consisting of base element with remote indicator contact and ground connectors, for mounting on NS 35/7.5, nominal voltage: 320 V AC, 3 + 1 circuit

## 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

Technical dataProduct propertiesProduct type Surge arrester

Product family VALVETRAB MS

IEC test classification II

T2

EN type T2

IEC power supply system TN-S

TT

Type DIN rail module, two-section, divisible

Number of positions 4

Surge protection fault message Optical, remote indicator contact

Data management status

Article revision 21  
Insulation characteristics  
Overvoltage category III  
Pollution degree 2  
Electrical propertiesNominal frequency fN 50 Hz (60 Hz)  
Indicator/remote signaling  
Connection name Remote fault indicator contact  
Switching function Changeover contact  
Operating voltage 5 V AC ... 250 V AC  
30 V DC  
Operating current 5 mA AC ... 750 mA AC  
1 A DC  
Connection dataConnection method Screw connection  
Screw thread M5  
Tightening torque 3 Nm (1.5 mm<sup>2</sup> ... 16 mm<sup>2</sup>)  
4.5 Nm (25 mm<sup>2</sup> ... 35 mm<sup>2</sup>)  
Stripping length 16 mm  
Conductor cross section flexible 1.5 mm<sup>2</sup> ... 25 mm<sup>2</sup>  
Conductor cross section rigid 1.5 mm<sup>2</sup> ... 35 mm<sup>2</sup>  
Conductor cross section AWG 15 ... 2  
Connection method Fork-type cable lug  
Conductor cross section flexible 1.5 mm<sup>2</sup> ... 16 mm<sup>2</sup>  
Remote fault indicator contact  
Connection method Plug-in/screw connection via COMBICON  
Screw thread M2  
Tightening torque 0.25 Nm  
Stripping length 7 mm  
Conductor cross section flexible 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
Conductor cross section rigid 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
Conductor cross section AWG 28 ... 16  
DimensionsDimensional drawing  
Width 71 mm  
Height 98.7 mm  
Depth 65.7 mm (incl. DIN rail 7.5 mm)  
Horizontal pitch 4 Div.  
Material specificationsColor b...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS 320/3+1/FM-UD 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

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.