INDUSTRIAL COMPONENT DATA

VAL-MS-CN 1000DC-PV-ST 2801309 PHOENIX CONTACT Replacement plug-in protection for PV arrester combinations f..

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS-CN 1000DC-PV-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-MS-CN 1000DC-PV-ST
Catalog number	2801309
Category	Accessories/spare parts for surge protection power supply systems
Minimum order	1 Pcs
Document ID	EO-8BB3E8D08C
Generated	2026-11-18

Product Overview

Replacement plug-in protection for PV arrester combinations from the VAL-MS 1000DC-PV product line-...
Replacement plug for PV arrester combinations from the VAL-MS 1000DC-PV-... product range

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 propertiesIEC test classification PV T2
PV T2
EN type T2
IEC power supply system DC
Type Male
Product type Replacement plug
Product family VALVETRAB MS
Installation location Interior
Installation location of the disconnect device Internal
Accessibility Accessible
SPD failure behavior OCFM (Open-Circuit Failure Mode)
Surge protection fault message optical

Insulation characteristics
Overvoltage category III
Pollution degree 2
Connection dataConnection method pluggable
DimensionsDimensional drawing
Width 17.5 mm
Height 52.4 mm
Depth 55.3 mm
Horizontal pitch 1 Div.
Material specificationsFlammability rating according to UL 94 V-0
CTI value of material 600
Insulating material PA 6.6-FR
Material group I
Housing material PA 6.6-FR
Protective circuitStandby power consumption PC <= 25 mVA
Nominal discharge current In(8/20) µs 20 kA
Maximum discharge current Imax(8/20) µs 40 kA
Voltage protection level Up <= 1.9 kV
Residual voltage Ures <= 1.9 kV (at In)
<= 1.4 kV (at 2 kA)
<= 1.5 kV (at 5 kA)
<= 1.7 kV (at 10 kA)
<= 1.8 kV (at 15 kA)
<= 2.2 kV (at 30 kA)
<= 2.4 kV (at 40 kA)
Response time tA <= 25 ns
Protective circuit DC voltage side (DC)
Open circuit voltage UOCSTC <= 487.5 V DC
Maximum discharge current Imax(8/20) µs 40 kA
Response time tA <= 25 ns
Insulation resistance Riso > 5 G? (at 500 V DC)
Nominal discharge current In(8/20) µs 20 kA
Continuous operating current ICPV < 20 µA
Maximum continuous operating voltage UCPV 585 V DC
Short-circuit current rating ISCPV 2000 A...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS-CN 1000DC-PV-ST 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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