INDUSTRIAL COMPONENT DATA

VAL-MS-CN 1000DC-PV/4+V-FM 2907820 PHOENIX CONTACT Type 2 surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS-CN 1000DC-PV/4+V-FM



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-MS-CN 1000DC-PV/4+V-FM
Catalog number	2907820
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-0711657120
Generated	2026-11-19

Product Overview

Type 2 surge protection device
Surge protection device for isolated direct current installations (1000 V DC), rail mounting, 5-pole base element with remote indication contact, 5-pole plug-in protection connector module with temperature monitoring, status indication on each connector, for use in arresters with three parallel strings/Maximum Power Point Tracker (MPPT).

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 2907820
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 65 (C-4-2017)
GTIN 4055626244211
Weight per Piece (excluding packing) 686.000 g
Custom tariff number 85363030
Country of origin CN (China)
Dimensions
Height 98.57 mm
Width 89 mm

Depth 64.7 mm
Ambient conditions
Degree of protection IP20 (only when all terminal points are used)
Ambient temperature (operation) -40 °C ... 85 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Altitude <= 4000 mm
Permissible humidity (operation) 5 % ... 95 %
Shock (operation) (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation) 2g (5-500 Hz/2.5 h/XYZ)
General
IEC test classification PV II
PV T2
EN type T2
SPD failure behavior OCM
Installation location Inside
Accessibility Accessible
Installation location of the disconnect device Internal
Mode of protection (L+) - (L-)
(L+) - PE
(L-) - PE
Mounting type DIN rail: 35 mm
Color jet black RAL 9005
Housing material PA 6.6-FR
PBT-FR
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type DIN rail module, two-section, divisible
Surge protection fault message Optical, remote indicator contact
Protective circuit DC voltage side (DC)
Maximum continuous operating voltage UCPV 1170 V DC
Short-circuit current rating ISCPV 2000 A
Rated load current IL 80 A
Residual current IPE <= 250 µA AC
<= 20 µA DC
Nominal discharge current (8/20) µs 20 kA
Maximum discharge current Imax(8/20) µs 40 kA
Voltage protection level Up <= 3.8 kV
Respon...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS-CN 1000DC-PV/4+V-FM 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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