

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-4E0EBF03DD
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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)
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Additional Product Information

Key Commercial Data

Orderkey 2907820

Packing unit 1 pc

Note Made to Order (non-returnable)

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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 I_{max}(8/20) µs 40 kA

Voltage protection level U_p ≤ 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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