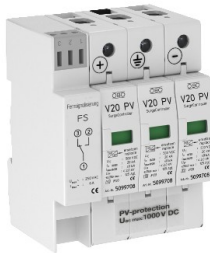


INDUSTRIAL COMPONENT DATA

V20-C 3PHFS-1000 5094574 OBO BETTERMANN

SurgeController V20 three-pole for photovoltaics, 1000V DC,

Brand: OBO BETTERMANN | Manufacturer Part Number: V20-C 3PHFS-1000



Manufacturer	OBO BETTERMANN
MPN / Reference	V20-C 3PHFS-1000
Catalog number	5094574
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-B9CDAEFAC9
Generated	2026-08-02

Product Overview

SurgeController V20 three-pole for photovoltaics, 1000V DC, PV surge protection V20, 1,000 V DC with remote signalling. V20 surge arrester, type 2, for photovoltaic systems• Complete unit, consisting of plug-in varistor arrester with cut-off unit• Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)• Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)• V20-C 3-PH-1000 tested to EN 50539-11 (VDE / KEMA)• Arresting capacity to 40 kA (8/20) per pole• Low DC protection level: < 4.0 kV and Voc max = 1,000 V DC• With visual status display for use in distributor housings Application: PV systems with or without separate lightning protection system

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path

OBO BETTERMANN > TBS Transient and lightning protection systems - OBO BETTERMANN > Surge , photovol

Additional Product Information

Blow-out no
CO2 Footprint (GWP) Cradle-to-Gate 1,0344 kg CO2e / 1 Piece
Conductor cross-section, rigid (single-wire/multiwire), max. 35 mm²
Conductor cross-section, rigid (single-wire/multiwire), min. 2,5 mm²
DC network form yes
Dimension 1000V DC
FM contacts Changeover
Installation type DIN rail 35 mm
Lightning protection zone LPZ 1->2

Max. mains-side overcurrent protection 125
Maximum back-up fuse 125 A
Maximum continuous voltage DC 1000 V
Maximum discharge current (8/20 us) 40 kA
Network form Other
Nominal discharge current (8/20 μ s) 20 kA
Operating temperature, max. 80 °C
Operating temperature, min. -40 °C
Permitted temperature range, max. 80 °C
Permitted temperature range, min. -40 °C
Pole version 3
Protection rating IP20
Remote signalling yes
Response time

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / V20-C 3PHFS-1000 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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