

INDUSTRIAL COMPONENT DATA

VG-C DC-TS1000 5088660 OBO BETTERMANN Surge protection device 2 PV string w. circuit breaker,

Brand: OBO BETTERMANN | Manufacturer Part Number: VG-C DC-TS1000



Manufacturer	OBO BETTERMANN
MPN / Reference	VG-C DC-TS1000
Catalog number	5088660
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-5490094E65
Generated	2026-08-02

Product Overview

Surge protection device 2 PV string w. circuit breaker,
Generator connection box, type 2, up to 1,000 V DC with disconnection switch (32 A) for 1 x 1 string. System solution for circuit breaker photovoltaic inverter with 1 MPP tracker • Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12) • Low DC protection level: < 4.0 kV (Voc max = 1,000 V DC with V2B-B+C/0-500PV) • Circuit breaker (1,000 V; 32 A) for secure switch-off of the DC string cable • Per protection device, there is 1 terminal up to 6 mm² pre-mounted in the housing, up to 30 A DC per terminal • Pre-mounted in polycarbonate housing (IP65), UV-resistant for use outside, including cable gland kit For DC protection of the inverter in photovoltaic systems. If there is a danger of condensation forming through wind, ice, temperature or sun!

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

Anschlussart Generatoranschlusskasten Tension spring terminal
CO₂ Footprint (GWP) Cradle-to-Gate 2,644 kg CO₂e / 1 Piece
Colour Light grey; RAL 7035
Conductor cross-section, rigid (single-wire/multiwire), max. 6 mm²
Conductor cross-section, rigid (single-wire/multiwire), min. 0,5 mm²
DC network form yes
Depth 122 mm
Dimension 1000V DC

Entries per MPPT 1
Equipped with load-break switch yes
Exits per MPPT 1
Installation type Pre-mounted in the housing
IT network form no
Lightning protection zone LPZ 1->2
Max. Input current per string 30 A
Max. Input voltage DC 1000 V
Max. Output current 30 A
Maximum continuous voltage DC 1000 V
Maximum discharge current (8/20 us) 40 kA
Monitoring function no
Network form DC
Nominal discharge current (8/20 µs) 20 kA
Number of cable entries 16
Number of inputs 1
Number of MPPTs 1
Number of string inputs 1
Operating temperature, max. 80 °C
Operating temperature, min. -40 °C
Other network form no
Permitted temperature range, max. 80 °C
Permitted temperature range, min. -40 °C
Protection rating IP65
Remote signalling no
Response time

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / VG-C DC-TS1000 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

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.