

INDUSTRIAL COMPONENT DATA

5093594 OBO BETTERMANN DESCRG. 1+2 V50-1+NPE-280 N/BOX

Brand: OBO BETTERMANN | Manufacturer Part Number: VG-V50-1+NPE-280



Manufacturer	OBO BETTERMANN
MPN / Reference	VG-V50-1+NPE-280
Catalog number	5093594
Category	Combined arrester for power supply systems
Minimum order	1 Pcs
Document ID	EO-B6EE525E99
Generated	2026-08-01

Product Overview

DESCRG. 1+2 V50-1+NPE-280 N/BOX

Combination arrester V50, 1-pole + NPE 280 V. Lightning current combination arrester, type 1+2 to DIN EN 61643-11 • For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)• Complete unit, pre-mounted and ready for connection in polycarbonate housing (IP66)• Lightning current arresting capacity 12.5 kA (10/350) per pole and up to 50 kA (10/350) in totalApplication: Lightning protection equipotential bonding for buildings of Class III and IV.If there is a danger of condensation forming through wind, ice, temperature or sunlight, further measures may be necessary!* Complete = upper part and base

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**

Additional Product Information

Approvals VDE, UL, ÖVE

Arrester surge current (8/20 µs) [total] 50 kA

Blow-out no

CO2 Footprint (GWP) Cradle-to-Gate 3,6301 kg CO2e / 1 Piece

Conductor cross-section, flexible (fine-wire), max. 2 AWG

Conductor cross-section, flexible (fine-wire), max. 35 mm²

Conductor cross-section, flexible (fine-wire), min. 16 AWG

Conductor cross-section, flexible (fine-wire), min. 1,5 mm²

Conductor cross-section, rigid (single-wire/multiwire), max. 35 mm²

Conductor cross-section, rigid (single-wire/multiwire), max. 2 AWG
Conductor cross-section, rigid (single-wire/multiwire), min. 16 AWG
Conductor cross-section, rigid (single-wire/multiwire), min. 1,5 mm²
Connection cross-section, FM terminals, max. 1,5 mm²
Connection cross-section, FM terminals, max. 16 AWG
Connection cross-section, FM terminals, min. 21 AWG
Connection cross-section, FM terminals, min. 0,5 mm²
Dimension 280V
Follow current quenching capacity (eff) [N-PE] 0,1 kA
Installation type Pre-mounted in the housing
Integrated back-up fuse no
Lightning surge current (10/350 us) 12,5 kA
Lightning surge current (10/350) 25 kA
Max. mains-side overcurrent protection 160 A gL/gG
Maximum back-up fuse 160 A
Maximum continuous voltage (L-N) 280 V
Maximum continuous voltage (N-PE) 255 V
Maximum continuous voltage AC 280 V
Maximum continuous voltage DC 350 V
Maximum discharge current (8/20 us) 50 kA
Maximum discharge current (8/20 us) [L-N] 50 kA
Minimum distance 1,5 mm
Network form Other
Nominal discharge current (8/20 μs) 30 kA
Nominal dis...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / VG-V50-1+NPE-280 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.