

INDUSTRIAL COMPONENT DATA

5095161 OBO BETTERMANN DOWNLOADER T. 2 V20-1-280

Brand: OBO BETTERMANN | Manufacturer Part Number: V20-1-280



Manufacturer	OBO BETTERMANN
MPN / Reference	V20-1-280
Catalog number	5095161
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-659587F6BE
Generated	2026-08-01

Product Overview

DOWNLOADER T. 2 V20-1-280

Surge arrester V20, 1-pole, 280 V. Surge arrester, type 2 • For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44) • Discharge capacity to 40 kA (8/20) per pole through high-performance varistors • Modular connectable arrester with cut-off unit and visual status display • Locking mechanism with vibration protection and voltage keying • Plastic to UL 94 V-0 • The remote signalling variants (FS) have a potential-free changeover contact for remote signalling Application: Equipotential bonding in main and sub-distributions.

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, KEMA, UL, ÖVE

Arrester surge current (8/20 µs) [total] 40 kA

Blow-out no

CO2 Footprint (GWP) Cradle-to-Gate 0,5846 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

Dimension 280V

Housing material surge protection components PA UL 94 V-0

Installation type DIN rail 35 mm

Integrated back-up fuse no

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 AC 280 V

Maximum discharge current (8/20 us) 40 kA

Maximum discharge current (8/20 us) [L-N] 40 kA

Minimum distance 1,5 mm

Network form Other

Nominal discharge current (8/20 μs) 20 kA

Nominal discharge current (8/20 μs) [L-N] 20 kA

Nominal voltage AC (50/60 Hz) 230 V

Operating temperature, max. 80 °C

Operating temperature, min. -40 °C

Permitted temperature range, max. 80 °C

Permitted temperature range, min. -40 °C

Pole number 1

Pole version 1

Protection level [L-N] ≤1,3

Protection rating IP20

Remote signalling no

Residual voltage [L-N] @ 1 kA 0,8 kV

Residual v...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / V20-1-280 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.