

INDUSTRIAL COMPONENT DATA

**V20-1+NPE+FS-280 5095331 OBO BETTERMANN
DOWNLOADER T. 2 V20-1+NPE+FS-280**

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



Manufacturer	OBO BETTERMANN
MPN / Reference	V20-1+NPE+FS-280
Catalog number	5095331
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-5D9F0B7EE0
Generated	2026-08-01

Product Overview**DOWNLOADER T. 2 V20-1+NPE+FS-280**

V20 V20-1+NPE+FS-280.1 pole surge arrester with NPE + 280V remote signal, Surge arrester V20, 1-pole + NPE and remote signalling, 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 signallingApplication: 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] 60 kA
Blow-out no
CO2 Footprint (GWP) Cradle-to-Gate 1,1457 kg CO2e / 1 Piece
Combined voltage protection level [L-PE] 1,5 kV
Conductor cross-section, flexible (fine-wire), max. 35 mm²
Conductor cross-section, flexible (fine-wire), max. 2 AWG
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. 2 AWG
Conductor cross-section, rigid (single-wire/multiwire), max. 35 mm²
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. 16 AWG
Connection cross-section, FM terminals, max. 1,5 mm²
Connection cross-section, FM terminals, min. 21 AWG
Connection cross-section, FM terminals, min. 0,5 mm²
Dimension 280V
FM contacts Changeover
Follow current quenching capacity (eff) [N-PE] 0,1 kA
Housing material surge protection components PA UL 94 V-0
Humidity, max. 95 %
Humidity, min. 5 %
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 (N-PE) 255 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
Maximum discharge current (8/20 us) [N-PE] 60 kA
Mini...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / V20-1+NPE+FS-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.