

INDUSTRIAL COMPONENT DATA

SPBT12-280-3+NPE50 184750 Y7-184750 EATON ELECTRIC

Lightning current and surge arresters, 50kA, N-space unit

Brand: EATON - MOELLER | Manufacturer Part Number: SPBT12-280-3+NPE50



Manufacturer	EATON - MOELLER
MPN / Reference	SPBT12-280-3+NPE50
Catalog number	Y7-184750
Category	Combined arrester for power supply systems
Minimum order	1 Pcs
Document ID	EO-C58071E3E0
Generated	2026-08-06

Product Overview

Lightning current and surge arresters, 50kA, N-space unit

SPBT12-280-3+NPE50

Eaton Moeller series xPole - SPBT12 Surge Protection Device. Lightning current and surge arresters, 50kA, N-space unit, 3+NPE50

For protecting consumer systems against transient overvoltages caused by direct and indirect lightning strikes and switching operations, use in accordance with IEC 60364-5-53 section 534, in accordance with IEC 61643-1, SPD-type T1, T2 according to EN 61643-11, lightning protection classes III and IV as per IEC 62305

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path EATON - MOELLER > Modular Switchgear - Industrial

Additional Product Information

General specifications

Product Name Eaton Moeller series xPole - SPBT12 Surge protection device Catalog Number 184750 Model Code SPBT12-280-3+NPE50 EAN 4015081787869 Product Length/Depth 85 mm Product Height 67 mm Product Width 70.7 mm Product Weight 0.527 kg Compliances RoHS conform Delivery program

Application Number of poles Four-pole Type Surge arrester Technical data - electrical

Voltage protection level 1.5 KV Voltage protection level (DC+ - DC-) 0 KV Voltage protection level (DC+/DC- - PE) 0 KV Voltage protection level (L-N) 1.5 KV Voltage protection level (L-PE) 1.5 KV Voltage protection level (N-PE) 1.4 KV Nominal voltage at AC 240 V Nominal voltage at DC 0 V Continuous voltage at AC - max 260 V Continuous voltage at DC - max 0 V PV-voltage - max 0 V Lightning impulse current (10/350 μ s) 12.5 kA Follow current extinguishing capability 0 kA Signalling

at the device Optic Specific energy (W/R) 625 kJ/Ohm Technical data - mechanical

Frame 4 modular spacing Mounting method DIN rail (top hat rail) 35 mm Conductor cross section (flexible, fine-strand) - max 35 mm² Conductor cross section (solid, solid-strand) - max 25 mm² Degree of protection IP20 Additional information

Features Voltage switching spark gap technology System configuration type IT

Other

TN

TN-S

TT Test class Type 1 + 2

ETIM for 184750 Earthing, lightning and surge protection (EC001457)

Feature Name

Feature Value

System configuration DC (EF009926)

No

System configuration IT (EF009927)

Yes

System configuratio...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPBT12-280-3+NPE50 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.