

INDUSTRIAL COMPONENT DATA

2CTB812120R1000 ABB Prot. About t. OVRPVT1-T212.5-1000PQS

Brand: ABB | Manufacturer Part Number: 2CTB812120R1000



Manufacturer	ABB
MPN / Reference	2CTB812120R1000
Catalog number	2CTB812120R1000
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-03F8ECDD2D
Generated	2026-08-01

Product Overview

Prot. About t. OVRPVT1-T212.5-1000PQS
OVR PV T1-T2 12.5-1000 P QS Surge Protective Device

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path	ABB > Other modular devices
--------------	-----------------------------

Additional Product Information

Technical

Suitable For To protect the systems against the transient overvoltage (lightning)

Voltage Rating DC 1000 V

Maximum Continuous Operating Voltage (Uc) (L-PE) 1100 V

(L-L) 1100 V

(L-N) 0 V

(N-PE) 0 V

Maximum Power Point (MPP) Voltage 1000 V

Rated Service Short-Circuit Breaking Capacity (Ics) 11 kA

Discharge Current Nominal (8 / 20 μ s) 20 kA

I (max, 8 / 20 μ s) 40 kA

I (total, 10 / 350 μ s) 12.5 kA

Impulse Current I (imp, 10 / 350 μ s) 6.25 kA

I (total, 10 / 350 μ s) 12.5 kA

Short Circuit Withstand Icc 11 kA
Arrester Class I
II
Number of Protected Poles 2
Number of Poles 3P
Number of Conductors 2
Transmission Standard Optic
Version Plug-in
Product Type QS
Options Provided Solar
Preventive Maintenance Feature No
Status Indicator Yes
Number of Batteries 0
Fuse Size 3 modular spacing
Cross-Section (Across) Maximum Conductor Solid-Stranded 35 mm²
Maximum Conductor Flexible 25 mm²
Electrical
Rated Voltage (Ur) 1000 V DC
Voltage Protection Level (Up) 3.8 kV
Technical UL/CSA
Maximum Continuous Operating Voltage UL/CSA (MCOV) (L-PE) 1100 V
(L-L) 1100 V
(L-N) 0 V
(N-PE) 0 V
Voltage Protection Rating UL/CSA (VPR) Lpe 2.5 kV
LI 2.5 kV
Ln 0 kV
Npe 2.5 kV
Material Compliance
RoHS Declaration 9AKK107991A6344
RoHS Information Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date 20230707
REACH Declaration 9AKK107492A1906
REACH Information False - does not contain substances > 0.1 mass percentage
REACH Date 20231212
Conflict Minerals Reporting Template (CMRT) 9...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 2CTB812120R1000 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.