



 PRODUCT-DETAILS

OVR T1-T2 3N 12.5-275s P QS

OVR T1-T2 3N 12.5-275s P QS Surge Protective Device



General Information

Extended Product Type	OVR T1-T2 3N 12.5-275s P QS
Product ID	2CTB815710R1900
EAN	3660308524997
Catalog Description	OVR T1-T2 3N 12.5-275s P QS Surge Protective Device

Long Description	<p>Surge protective devices SPD type 1- type 2 protect low-voltage consumer systems against lightning currents and surge voltages as they are tested as SPD type 1 and type 2 according to IEC 61643-11. The devices are compatible with the System pro M compact series. The SPD with "TS" are optionally equipped with a auxiliary contact. The variants with "reserve varistor" (s) offer additional protection for the system, as the SPD is not completely disconnected from the mains at the end of its service life, but with an additional smaller varistor still guarantees basic protection and the system thus until the surge arrester is replaced is still protected</p>
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ABB EcoSolutions

Environmental Product Declaration - EPD	9AKK108468A7418
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Technical

Type of Low Voltage Distribution System	TT TN-S
Suitable For	To protect the systems against the transient overvoltage (lightning)
Nominal AC Voltage of the System (U _o)	230 / 400 V
Maximum Continuous Operating Voltage (U _c)	(L-PE) 275 V (L-L) 440 V (L-N) 275 V (N-PE) 255 V
Temporary Overvoltage Test Value (U _T)	(L-N) 337 V (N-PE) 1200 V
Discharge Current	Nominal 20 kA Maximum 80 kA Total 100 kA
Impulse Current	I (imp, 10 / 350 μs) 12.5 kA I (total, 10 / 350 μs) 50 kA
Lightning Impulse Current	12.5
Short Circuit Withstand I _{cc}	100 kA
Follow Current Extinction Capacity I _f (I _{fi})	(L-N) - kA (N-PE) 0.1 kA
Short-Circuit Protective Devices	Curve B Breakers ≤ 125 A Curve C Breakers ≤ 125 A gL Type Fuses ≤ 160 A gG Type Fuses ≤ 160 A
Arrester Class	I II
Number of Protected Poles	4
Number of Poles	4P
Position of Neutral Terminals	Right
Version	Plug-in
Product Type	QS
Options Provided	Industry, commercial building
Preventive Maintenance Feature	Yes
Status Indicator	Yes
Fuse Size	4 modular spacing

Electrical

Voltage Protection Level (U _p)	(L-N) 1.4 kV (N-PE) 1.4 kV (L-PE) 1.5 kV
Power Loss	63 mW

Material Compliance

RoHS Information	9AKK108466A4617
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20220317
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20231212

Conflict Minerals
Reporting Template
(CMRT)

9AKK108468A3363

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B

Business To Business

Environmental

Degree of Protection	IP20
Maximum Operating Altitude Permissible	Without Derating 5000

Dimensions

Width in Number of Modular Spacings	4
Product Net Width	71.2 mm
Product Net Height	88 mm
Product Net Depth / Length	76.7 mm
Product Net Weight	0.6 kg

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	1.000 kg
E-Number (Finland)	3212135
E-Number (Norway)	1623954

Certificates and Declarations

CQC Certificate	9AKK107680A1975
Declaration	2CTC432056G1701
Declaration of Conformity - CE	9AKK108466A4617

Installation

Instructions and Manuals	2CTC431030M1701
Mounting Type	DIN-Rail

Popular Downloads

Data Sheet, Technical Information	2CTC431046D0201
Mechanical Drawings	2CTC800015F1900.pdf 2CTC800015F1901.dxf 2CTC800015F1902.stp 2CTC800015F1903.igs

External Classifications and Standards

ETIM 9	EC001457 - Combined arrester for power supply systems
eClass	V11.0 : 27130808
Object Classification Code	141BCC
Standards	IEC 61643-11 / EN 61643-11

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Surge Protective Devices SPDs → Surge Protective Devices SPD Class I



360°