

PRODUCT-DETAILS

OVR T1-T2 12.5-440s P TS QS

OVR T1-T2 12.5-440s P TS QS Surge Protective Device



General Information

Extended Product Type	OVR T1-T2 12.5-440s P TS QS
Product ID	2CTB815710R2900
EAN	3660308525055
Catalog Description	OVR T1-T2 12.5-440s P TS QS Surge Protective Device
Long Description	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

Technical

Standards	IEC 61643-11 / EN 61643-11
Type of Low Voltage Distribution System	TT TN-C TN-S IT
Suitable For	To protect the systems against the transient overvoltage (lightning)
Nominal AC Voltage of the System (U _o)	400 / 690 V
Voltage Rating DC	560 V
Voltage Protection Level	(L-N) 1.9 kV

(Up)	(N-PE) - kV (L-PE) 1.9 kV
Maximum Continuous Operating Voltage (U _c)	(L-PE) 440 V (L-L) 440 V (L-N) 440 V (N-PE) - V
Temporary Overvoltage Test Value (U _T)	581 V
Discharge Current	Nominal 20 kA Maximum 80 kA Total 80 kA
Impulse Current	I (imp, 10 / 350 μs) 12.5 kA I (total, 10 / 350 μs) - 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) - kA
Power Loss	70 mW
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 Poles	1
Number of Protected Poles	1
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Version	Plug-in
Mounting Type	DIN-Rail
Product Type	QS
Options Provided	Industry, commercial building
Auxiliary Circuit Load	Minimum 12Vdc - 10mA Maximum 250Vac - 1A
Preventive Maintenance Feature	Yes
Status Indicator	Yes
Fuse Size	2 modular spacing

Environmental

Degree of Protection	IP20
Maximum Operating Altitude Permissible	Without Derating 5000
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK108466A4617
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Dimensions

Width in Number of Modular Spacings	2
Product Net Width	35.6 mm
Product Net Height	95.8 mm

Product Net Depth / Length	76.7 mm
Product Net Weight	0.3 kg

Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	320 g

Certificates and Declarations

CQC Certificate	9AKK107680A1975
Declaration	2CTC432056G1701
Declaration of Conformity - CE	9AKK108466A4617
EAC Certificate	2CTC436008G1701

Installation

Instructions and Manuals	2CTC431030M1701
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Popular Downloads

Data Sheet, Technical Information	2CTC431050D0201
Mechanical Drawings	2CTC800015F2200.pdf 2CTC800015F2201.dxf 2CTC800015F2202.stp 2CTC800015F2203.igs

Classifications

ETIM 8	EC001457 - Combined arrester for power supply systems
ETIM 9	EC001457 - Combined arrester for power supply systems
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85363090
eClass	V11.0 : 27130808
Object Classification Code	141BEC

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Surge Protective Devices SPDs → Surge Protective Devices SPD Class I → Type T1 - T2 12.5kA

