PRODUCT-DETAILS

OVR T1-T2 3N 100-255 P TS

OVR T1-T2 3N 100-255 P TS Surge Protective Device



General Information

Extended Product Type	OVR T1-T2 3N 100-255 P TS
Product ID	2CTB812111R2300
EAN	4053546114645
Catalog Description	OVR T1-T2 3N 100-255 P TS Surge Protective Device
Long Description	OVR T1-T2 3N 100-255 P TS Surge Protective Device

Technical

Type of Low Voltage Distribution System	TT TN-S
Nominal AC Voltage of the System (U_o)	236 … 400 V
Maximum Continuous Operating Voltage (U_c)	(L-PE) 264 V (L-N) 264 V (N-PE) 255 V
Temporary Overvoltage Test Value (U_T)	(L-N) 440/120min V (N-PE) 1200/200ms V
Rated Service Short-Circuit Breaking	100 kA

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Capacity (I_{cs})	
Discharge Current	Nominal (8 / 20 µs) 25 kA I (max, 8 / 20 µs) 60 kA I (total, 10 / 350 µs) 100 kA
Impulse Current	I (imp, 10 / 350 µs) 25 kA I (total, 10 / 350 µs) 100 kA
Short Circuit Withstand Icc	100 kA
Follow Current Extinction Capacity If (I fi)	(L-N) 50 kA (N-PE) 50 kA
Short-Circuit Protective Devices	gG Type Fuses 315 A
Arrester Class	I II
Number of Protected Poles	4
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number of Poles	4P
Number of Conductors	5
Version	Plug-in
Auxiliary Circuit Load	Minimum 75Vdc - 500mA Maximum 250Vac - 500mA
Status Indicator	Yes
Number of Batteries	0

Electrical

Voltage Protection Level (Up)	(L-N) 1.5 kV (N-PE) 1.5 kV (L-PE) 1.5 kV
Frequency (f)	45…65 Hz

Technical UL/CSA

Maximum Continuous Operating Voltage UL/CSA (MCOV)	(L-PE) 255 V (L-L) 510 V (L-N) 255 V (N-PE) 255 V
Voltage Protection Rating UL/CSA (VPR)	Lpe 4000 V Ll 2500 V Ln 1500 V Npe 3000 V
Type of Low Voltage Distribution System UL/CSA	Wye

Material Compliance

RoHS Declaration	9AKK108467A9302
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20230322
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20231212

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Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	3011d554-48f7-4f86-8cdb-df7f9143fd70 Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

Environmental

Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +80 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m

Dimensions

Width in Number of Modular Spacings	8
Product Net Width	144 mm
Product Net Height	90 mm
Product Net Depth / Length	73 mm
Product Net Weight	1.2 kg
Dimension Diagram	9AKK108467A9590

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	1.36 kg
E-Number (Finland)	3217683
E-Number (Norway)	1629991

Certificates and Declarations

Declaration	9AKK108467A9390
Declaration of Conformity - CE	9AKK108467A9302
KEMA Certificate	9AKK108468A0509
UL Certificate	9AKK108468A0504
VDE Certificate	9AKK108468A0510

Installation

Instructions and Manuals	9AKK108467A8849
Mounting Type	DIN-Rail

Popular Downloads

Data Sheet, Technical Information	9AKK108467A5402
Mechanical Drawings	9AKK108467A9590

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9AKK108467A8888
9AKK108467A8887
9AKK108467A8886
9AKK108467A8870
9AKK108467A8869

External Classifications and Standards

ETIM 9	EC001457 - Combined arrester for power supply systems
ETIM 10	EC001457 - Combined arrester for power supply systems
UNSPSC	39-12-16-04
Standards	IEC 61643-11 EN 61643-11 UL 1449 5thEd

Categories

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



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