Product Data Sheet 2CTC432212D0201

OVR T2 40-440 P QS

2CTB803871R1200

EAN : 3660308519627
FR : B751962

26/03/2015

Type
T2

Imax : 40 kA

Up : 1,8 kV

System
TT/TNC/TNS : 400/690 V
IT : 230/400 V

IEC 61643-11
EN 61643-11

Type 2 SPD's are designed to discharge the currents generated by indirect lightning strikes causing induced or conducted overvoltages on the power distribution network.
They are characterized by an 8/20µs waveform (Imax). Higher is the Imax, more powerful they are.
They are installed in the main distribution switchboard but also in sub-distribution board.
They have a low residual voltage Up often compatible with the withstand voltage of the equipment to protect. If this is not the case or the cable length to the equipment is longer than 10m, another level of coordination with OVR T2-T3, OVR T3 will be needed.

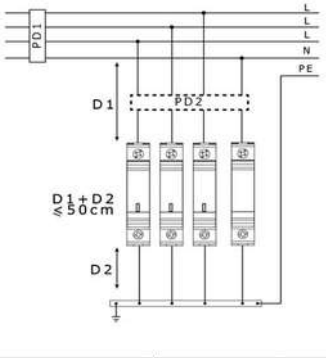


- Din rail mounting
- Pluggable
- Excellent technical data
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb

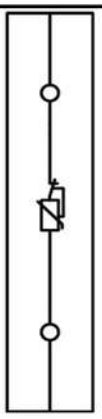
CHARACTERISTICS

Key characteristics			
Protection mode			L-N/N-PE/L-PE
Number of protected lines			1
Test class			II
Integrated thermal disconnector			Yes
End of life indicator			Yes
Safety reserve			No
Electrical characteristics			
Nominal discharge current	I_n (8/20)	kA	20
Maximal discharge current	I_{max} (8/20)	kA	40
Impulse current	I_{imp} (10/350)	kA	2
Maximal continuous operating voltage	U_C	V	440
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at In	U_p (L-PE)	kV	1,8
Voltage protection level at In	U_p (L-N)	kV	-
Voltage protection level at In	U_p (N-PE)	kV	-
Short circuit withstand	I_{SCCR}	kA	100
Total current	I_{TOTAL}	kA	40
Follow current interrupted	I_{fi}	kA	- / -
Ground residual current	I_{PE}	µA	< 70
TOV withstand (L-N : 5s / N-PE : 200 ms)	U_T	V	581 / -
Voltage Combination Wave	U_{OC}	kV	20
Required thermal/back up protection			
Curve B or C Circuit breaker		A	≤ 125
gG - gL fuse		A	≤ 125
Comments			
Mechanical characteristics			
Dimensions	H x W x D	mm	88 x 17.8 x 58
Wire range : Solid wire		mm²	2.5...25
Wire range : Stranded wire		mm²	2.5...16
Stripping length		mm	12.5
Packing quantities		piece	Per 1
Miscellaneous characteristics			
Maximal altitude		m	2000
Weight		g	120
Response time		ns	< 25
Fire resistance according to UL 94			V-0
Replacement cartridges			
Phase / Product ID	OVR T2 40-440 C QS		2CTB803876R0400
Neutral / Product ID	-		-

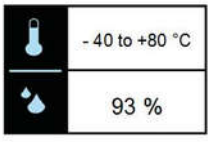
INSTALLATION

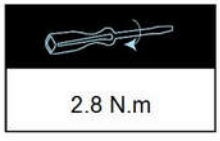


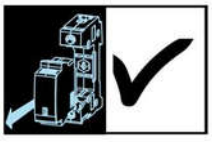
DIAGRAM











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