

Type

T2-T3

I_{max} : 80 kAU_p : 1,4 kV

System

TT: 400/690 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 (I_{max}). Higher is the I_{max}, more powerful they are.

They are installed in the main distribution switchboard but also in sub-distribution board.

They have a low residual voltage U_p 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 features
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb



Key characteristics

Protection mode	N-PE		
Number of protected lines	1		
Test class	II - III		
Integrated thermal disconnecter	No		
End of life indicator	No		
Safety reserve	No		

Electrical characteristics

Nominal discharge current	I _n (8/20)	kA	30
Maximal discharge current	I _{max} (8/20)	kA	80
Impulse current	I _{imp} (10/350)	kA	2
Maximal continuous operating voltage	U _C	V	-
Maximal continuous operating voltage d.c	U _{C d.c}	V	-
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at I _n	U _p (L-PE)	kV	-
Voltage protection level at I _n	U _p (L-N)	kV	-
Voltage protection level at I _n	U _p (N-PE)	kV	1,4
Short circuit withstand	I _{SCCR}	kA	100
Total current	I _{TOTAL}	kA	80
Follow current interrupted	I _{fi}	kA	- / 0,1
Ground residual current	I _{PE}	μA	<10
TOV withstand (L-N : 5s / N-PE : 200 ms)	U _T	V	- / 1200
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

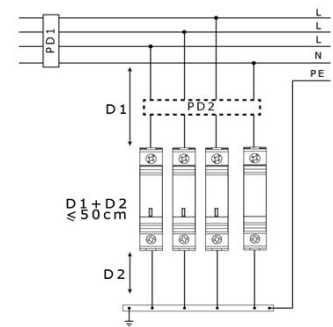
Dimensions	H x W x D	mm	88x17.8x58
Wire range : Solid wire		mm ²	2.5 ... 35
Wire range : Stranded wire		mm ²	2.5 ... 25
Stripping length		mm	12.5
Packing quantities		piece	Per 1

Miscellaneous characteristics

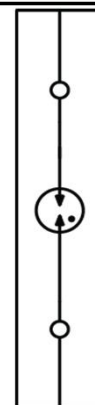
Maximal altitude	m	2 000
Weight	g	120
Response time	ns	<25
Fire resistance according to UL 94		V-0
Replacement cartridges		
Phase / Product ID	-	-
Neutral / Product ID	OVR T2 N 80-440 C QS	2CTB803886R0100

CHARACTERISTICS

INSTALLATION



DIAGRAM



IP 20



- 40 to +80 °C

93 %



2,8 N.m

