

Type

T2

I_{max} : 40 kAU_p : 2,3 kV

System

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 (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 data
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb



Key characteristics

Protection mode	L-PE/N-PE		
Number of protected lines	4		
Test class	II		
Integrated thermal disconnecter	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	600
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at I_n	U_p (L-PE)	kV	2,3
Voltage protection level at I_n	U_p (L-N)	kV	-
Voltage protection level at I_n	U_p (N-PE)	kV	2,3
Short circuit withstand	I_{SCCR}	kA	100
Total current	I_{TOTAL}	kA	160
Follow current interrupted	I_{fi}	kA	- / -
Ground residual current	I_{PE}	μA	< 75
TOV withstand (L-N : 5s / N-PE : 200 ms)	U_T	V	792 / -
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

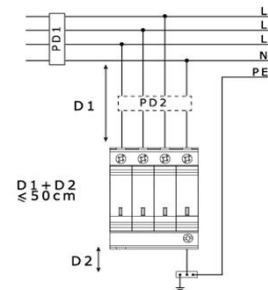
Mechanical characteristics

Dimensions	H x W x D	mm	95 x 71.2 x 58
Wire range : Solid wire		mm ²	2.5...25
Wire range : Stranded wire		mm ²	2.5...16
Stripping length		mm	12.5
Packing quantities		piece	Per 1

Miscellaneous characteristics

Maximal altitude	m	2000
Weight	g	480
Response time	ns	< 25
Fire resistance according to UL 94		V-0
Replacement cartridges		
Phase / Product ID	OVR T2 40-600 C QS	2CTB803886R0400
Neutral / Product ID	OVR T2 40-600 C QS	2CTB803886R0400

INSTALLATION



DIAGRAM

