




Type
<b>T2</b>

<b>I<sub>max</sub> : 40 kA</b>

<b>Up : 1,8 kV</b>
System
<b>TNS : 400/690 V</b> <b>IT : 230/400 V</b>

<b>IEC 61643-11</b> <b>EN 61643-11</b>

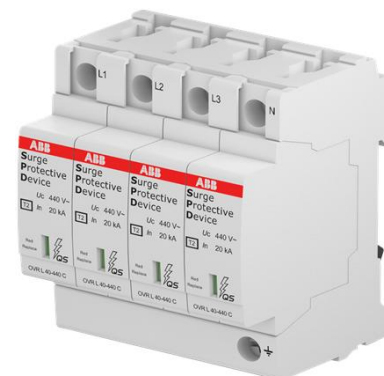
Type 2 SPD's are designed to discharge the currents generated by indirect lightning strikes causing induced or conducted overvoltages on the power distribution network.

They are characterized by an 8/20μs waveform (I<sub>max</sub>). Higher is the I<sub>max</sub>, 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<sub>p</sub> 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.

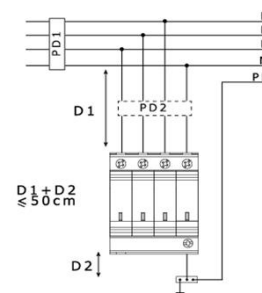
- Din rail mounting
- Pluggable
- Excellent technical features
- Improved safety
- Pro M compact design
- Back up protection up to 50 A Fuse or Mcb



## CHARACTERISTICS

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	440
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at $I_n$	$U_p$ (L-PE)	kV	1,8
Voltage protection level at $I_n$	$U_p$ (L-N)	kV	-
Voltage protection level at $I_n$	$U_p$ (N-PE)	kV	3,8
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	< 210
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 71.2 x 58
Wire range : Solid wire		mm <sup>2</sup>	2.5...25
Wire range : Stranded wire		mm <sup>2</sup>	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 40-440 C QS	2CTB803876R0400	
Neutral / Product ID	OVR T2 40-440 C QS	2CTB803876R0400	

## INSTALLATION



## DIAGRAM

