

Type
<b>T2-T3</b>

<b>I<sub>max</sub> : 20 kA</b>

<b>U<sub>p</sub> : 1,4 kV</b>
System
<b>TT/TNC/TNS : 400/690 V</b> <b>IT : 230/400 V</b>

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

Type 2 + 3 SPD's have characteristics of type 2 but also type 3, they are capable of discharging the currents generated by indirect lightning strikes (T2 8/20µs), but also they have a low residual voltage (U<sub>p</sub>), who is compatible with the withstand voltage of sensitive electronic equipment.

They are generally less powerful than a pure Type 2 SPD. Higher is the I<sub>max</sub>, more powerful they are.

They are installed in sub-distribution boards or close to sensitive equipment.

They can be used on their own.

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



<b>CHARACTERISTICS</b>	<b>Key characteristics</b>			
	Protection mode	L-N/N-PE/L-PE		
	Number of protected lines	1		
	Test class	II - III		
	Integrated thermal disconnector	Yes		
	End of life indicator	Yes		
	Safety reserve	No		
	<b>Electrical characteristics</b>			
	Nominal discharge current	I <sub>n</sub> (8/20)	kA	5
	Maximal discharge current	I <sub>max</sub> (8/20)	kA	20
	Impulse current	I <sub>imp</sub> (10/350)	kA	2
	Maximal continuous operating voltage	U <sub>c</sub>	V	440
	Type of current / frequency		Hz	a.c. 47-63
	Voltage protection level at In	U <sub>p</sub> (L-PE)	kV	1,4
	Voltage protection level at In	U <sub>p</sub> (L-N)	kV	-
	Voltage protection level at In	U <sub>p</sub> (N-PE)	kV	-
	Short circuit withstand	I <sub>SCCR</sub>	kA	100
	Total current	I <sub>TOTAL</sub>	kA	20
	Follow current interrupted	I <sub>fi</sub>	kA	- / -
	Ground residual current	I <sub>PE</sub>	µA	< 70
	TOV withstand (L-N : 5s / N-PE : 200 ms)	U <sub>T</sub>	V	581 / -
	Voltage Combination Wave	U <sub>oc</sub>	kV	6
	<b>Required thermal/back up protection</b>			
	Curve B or C Circuit breaker	A		≤ 125
	gG - gL fuse	A		≤ 125
	Comments			
	<b>Mechanical characteristics</b>			
	Dimensions	H x W x D	mm	88 x 17,8 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	
<b>Miscellaneous characteristics</b>				
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-T3 20-440 C QS	2CTB803876R0600		
Neutral / Product ID	-	-		

