

Type
<b>T1-T2</b>

<b>I<sub>max</sub> : 100 kA</b> <b>I<sub>imp</sub> : 50 kA</b>

<b>U<sub>p</sub> : 1,4 kV</b>
System
<b>TT/TN-S: 230/400 V</b>

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

Type 1 + 2 SPD's have characteristics of type 1 but also type 2, they are capable of discharging a very high lightning current (T1 10/350µs) and they have as well a low residual voltage (U<sub>p</sub>).

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

Because of their power, Type 1 + 2 SPD's can let pass through a too high residual voltage, if the announced U<sub>p</sub> is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m, another level of coordination with OVR T2-T3, OVR T3 will be needed.

Thanks to the patented Safety Reserve system, you can extend the lifespan of the installation plan maintenance to reduce downtime risk.

- Patented QuickSafe® technology
- Safety Reserve system
- Din rail mounting
- Pluggable
- Improved safety
- Back up protection up to 160 A Fuse or 125 A Mcb



<b>CHARACTERISTICS</b>	<b>Key characteristics</b>			
	Protection mode			N-PE
	Number of protected lines			1
	Test class			I - II
	Integrated thermal disconnecter			No
	End of life indicator			No
	Safety reserve			No
	<b>Electrical characteristics</b>			
	Nominal discharge current	I <sub>n</sub> (8/20)	kA	50
	Maximal discharge current	I <sub>max</sub> (8/20)	kA	100
	Impulse current	I <sub>imp</sub> (10/350)	kA	50
	Maximal continuous operating voltage	U <sub>c</sub>	V	255
	Maximal continuous operating voltage d.c	U <sub>c d.c</sub>	V	-
	Type of current / frequency		Hz	a.c. 47-63
	Voltage protection level at I <sub>n</sub>	U <sub>p</sub> (L-PE)	kV	-
	Voltage protection level at I <sub>n</sub>	U <sub>p</sub> (L-N)	kV	-
	Voltage protection level at I <sub>n</sub>	U <sub>p</sub> (N-PE)	kV	1,4
	Short circuit withstand	I <sub>SCCR</sub>	kA	100
	Total current	I <sub>TOTAL</sub>	kA	50
	Follow current interrupted	I <sub>fi</sub>	kA	- / 0,1
	Ground residual current	I <sub>PE</sub>	µA	<10
	TOV withstand (L-N : 5s / N-PE : 200 ms)	U <sub>T</sub>	V	- / 1200
	Voltage Combination Wave	U <sub>OC</sub>	kV	-
	<b>Required thermal/back up protection</b>			
	Curve B or C Circuit breaker	A		≤ 125
	gG - gL fuse	A		≤ 160
	Comments			
	<b>Mechanical characteristics</b>			
	Dimensions	H x W x D	mm	88x17.8x69.4
	Wire range : Solid wire		mm <sup>2</sup>	2.5 ... 35
Wire range : Stranded wire		mm <sup>2</sup>	2.5 ... 25	
Stripping length		mm	12.5	
Packing quantities		piece	Per 1	
<b>Miscellaneous characteristics</b>				
Maximal altitude		m	2 000	
Weight		g	150	
Response time		ns	<25	
Fire resistance according to UL 94			V-0	
Replacement cartridges				
Phase / Product ID			-	
Neutral / Product ID			-	
			OVR T1-T2 N 50-275s C QS 2CTB815710R2700	

