

Type
<b>T1-T2</b>

<b>Imax : 80 kA</b> <b>Iimp : 12,5 kA</b>

<b>Up : 2 kV</b>
System
<b>TN-C: 400/690 V</b> <b>IT: 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 (Up).

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 Up 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	L-PEN		
	Number of protected lines	3		
	Test class	I - II		
	Integrated thermal disconnecter	Yes		
	End of life indicator	Yes		
	Safety reserve	Yes		
	<b>Electrical characteristics</b>			
	Nominal discharge current	$I_n$ (8/20)	kA	20
	Maximal discharge current	$I_{max}$ (8/20)	kA	80
	Impulse current	$I_{imp}$ (10/350)	kA	12,5
	Maximal continuous operating voltage	$U_C$	V	440
	Maximal continuous operating voltage d.c	$U_{C d.c}$	V	560
	Type of current / frequency		Hz	a.c. 47-63
	Voltage protection level at In	$U_p$ (L-PE)	kV	2
	Voltage protection level at In	$U_p$ (L-N)	kV	-
	Voltage protection level at In	$U_p$ (N-PE)	kV	-
	Short circuit withstand	$I_{SCCR}$	kA	100
	Total current	$I_{TOTAL}$	kA	37,5
	Follow current interrupted	$I_{fi}$	kA	- / -
	Ground residual current	$I_{PE}$	µA	<1000
	TOV withstand (L-N : 5s / N-PE : 200 ms)	$U_T$	V	581 / -
	Voltage Combination Wave	$U_{OC}$	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	95x106.8x69.4
	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		900	
Response time	ns		<25	
Fire resistance according to UL 94			V-0	
Replacement cartridges				
Phase / Product ID	OVR T1-T2 12.5-440s C QS		2CTB815710R5500	
Neutral / Product ID	-			

