

Type
T2

I_{max} : 80 kA

U_p : 1,8 kV
System
TT/TN-C/TN-S: 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 features
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb



CHARACTERISTICS	Key characteristics			
	Protection mode	L-N/L-PE		
	Number of protected lines	1		
	Test class	II		
	Integrated thermal disconnecter	Yes		
	End of life indicator	Yes		
	Safety reserve	Yes		
	Electrical characteristics			
	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	6,25
	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 I _n	U _p (L-PE)	kV	1,8
	Voltage protection level at I _n	U _p (L-N)	kV	1,8
	Voltage protection level at I _n	U _p (N-PE)	kV	-
	Short circuit withstand	I _{SCCR}	kA	100
	Total current	I _{TOTAL}	kA	80
	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	-
	Required thermal/back up protection			
	Curve B or C Circuit breaker	A		≤ 125
	gG - gL fuse	A		≤ 160
	Comments			
	Mechanical characteristics			
	Dimensions	H x W x D	mm	88x17.8x69.4
	Wire range : Solid wire		mm ²	2.5 ... 35
Wire range : Stranded wire		mm ²	2.5 ... 25	
Stripping length		mm	12.5	
Packing quantities		piece	Per 1	
Miscellaneous characteristics				
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	OVR T2 80-440s C QS		2CTB815708R5500	
Neutral / Product ID	-		-	

