




Type
T2

I_{max} : 80 kA

Up : 1,4 kV
System
TT/TN-S: 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.

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



CHARACTERISTICS	Key characteristics			
	Protection mode			N-PE
	Number of protected lines			1
	Test class			II
	Integrated thermal disconnecter			No
	End of life indicator			No
	Safety reserve			No
	Electrical characteristics			
	Nominal discharge current	I _n (8/20)	kA	30
	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	-
	Maximal continuous operating voltage d.c	U _{C d.c}	V	-
	Type of current / frequency		Hz	a.c. 47-63
	Voltage protection level at I _n	U _p (L-PE)	kV	-
	Voltage protection level at I _n	U _p (L-N)	kV	-
	Voltage protection level at I _n	U _p (N-PE)	kV	1,4
	Short circuit withstand	I _{SCCR}	kA	100
	Total current	I _{TOTAL}	kA	80
	Follow current interrupted	I _{fi}	kA	- / 0,1
	Ground residual current	I _{PE}	μA	<10
	TOV withstand (L-N : 5s / N-PE : 200 ms)	U _T	V	- / 1200
	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			-
	Neutral / Product ID	OVR T2 N 80-275s C QS		2CTB815708R2800

