




OVR H T1-T2 12.5-275s P QS

2CTB815710R5700

13/05/2016

Type
T1-T2

Imp : 12.5 kA

Up: < 1,4 kV
System
TT/TNS : 230 V

According to IEC 61643-11

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 subdistribution 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



CHARACTERISTICS	Key characteristics			
	Protection mode			L-N/L-PE/N-PE
	Number of protected lines			1
	Test class			I-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	12,5
	Maximal continuous operating voltage	U_c	V	275
	Type of current / frequency		Hz	a.c. 47-63
	Voltage protection level at In	U_p (L-PE)	kV	1,4
	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	20
	Follow current interrupted	I_{fi}	kA	-/-
	Ground residual current	I_{PE}	µA	< 350
	TOV withstand (L-N : 5s / N-PE : 200 ms)	U_T	V	337
	Voltage Combination Wave	U_{oc}	kV	20
	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	88 x 17,8 x 69,4	
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	2000	
Weight		g	150	
Response time		ns	< 25	
Fire resistance according to UL 94			V-0	
Replacement cartridges				
Phase / Product ID	OVR H T1-T2 12,5-275s C QS		2CTB815711R5800	
Neutral / Product ID	-		-	

