Product Data Sheet 2CTC431037D0201 OVR T1-T2 N1 12.5-275s P TS QS 2CTB815710R0300

09/11/2016

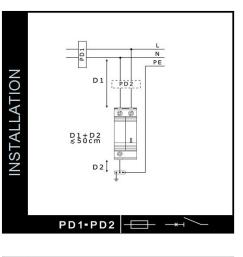
Туре	Type 1 + 2 SPD's have characteristics of type 1 but also type 2, they are capable of discharging a very high lightning current (T1 10/350µs) and they be a seven well a law are ideal unless (1a)		
T1-T2	they have as well a low residual voltage (Up). They are installed in the main distribution switchboard but also in sub- distribution board.		
Imax : 80 kA limp : 12,5 kA	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.		
Up : 1,4 kV			
System			
TT/TN-S: 230/400 V	 Patented QuickSafe ® technology Safety Reserve system Din rail mounting 		
	Discourse has		

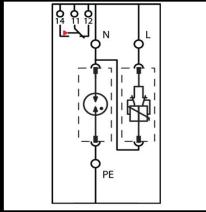
5 IEC 61643-11 EN 61643-11

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



Key characteristics			
Protection mode			L-N/L-PE/N-PE
Number of protected lines			2
Test class			-
Integrated thermal disconnector			Yes
End of life indicator			Yes
Safety reserve			Yes
Electrical characteristics			
Nominal discharge current	/n (8/20)	kA	20
Maximal discharge current	1 _{max} (8/20)	kA	80
Impulse current	/ imp (10/350)	kA	12,5
Maximal continuous operating voltage	Uc	V	275
Maximal continuous operating voltage d.c	Ucdc	V	-
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at In	U _P (L-PE)	kV	1,5
Voltage protection level at in Voltage protection level at In Short circuit withstand Total current Follow current interrupted Ground residual current TOV withstand (L-N : 5s / N-PE : 200 ms) Voltage Combination Wave Required thermal/back up protection Curve B or C Circuit breaker gG - gL fuse Comments	Up (L-N)	kV	1,4
Voltage protection level at In	U _P (N-PE)	kV	1,4
Short circuit withstand	ISCCR	kA	100
Total current	TOTAL	kA	25
Follow current interrupted	/ fi	kA	- / 0,1
Ground residual current	1 _{PE}	μA	<10
TOV withstand (L-N : 5s / N-PE : 200 ms)	UT	V	337 / 1200
Voltage Combination Wave	Uoc	kV	-
Required thermal/back up protection			
Curve B or C Circuit breaker		А	≤ 125
gG - gL fuse		А	≤ 160
Comments			
Mechanical characteristics			
Dimensions	H x W x D	mm	95x35.6x69.4
Wire range : Solid wire		mm²	2.5 35
Wire range : Stranded wire		mm²	2.5 25
Stripping length		mm	12.5
Packing quantities		piece	Per 1
Miscellaneous characteristics			
Maximal altitude		m	2 000
Weight		g	300
Response time		ns	<25
Fire resistance according to UL 94			V-0
Replacement cartridges			
Phase / Product ID	OVR T1-T2 12.5-275s	COS	2CTB815710R2600
Neutral / Product ID	OVR T1-T2 N 50-275s C QS		2CTB815710R2700









DIAGRAM



