




# OVR T1-T2 12.5-440s P TS QS

## 2CTB815710R2900

Type
T1-T2

<b>I<sub>max</sub> : 80 kA</b> <b>I<sub>imp</sub> : 12,5 kA</b>

<b>U<sub>p</sub> : 1,9 kV</b>
System
<b>TT/TN-C/TN-S: 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 (U<sub>p</sub>).

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 U<sub>p</sub> 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
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	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	1,9
Voltage protection level at In	$U_p$ (L-N)	kV	1,9
Voltage protection level at In	$U_p$ (N-PE)	kV	-
Short circuit withstand	$I_{SCCR}$	kA	100
Total current	$I_{TOTAL}$	kA	12,5
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	-
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	95x35.6x69.4
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
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 12.5-440s C QS		2CTB815710R5500
Neutral / Product ID			

