

Type

T2

I_{max} : 40 kA

Up : 1,5 kV

System

TT/TNC/TNS: 230 V

IEC 61643-11
EN 61643-11

Type 2 SPDs are suitable for installation at the origin of the network (without External lightning protection system), in distribution switchboard and by the terminal equipment, protecting from indirect lightning strikes.

With OVR T2 you can choose different rated discharge currents to ensure the maximum life of the installation in all conditions and co-ordinate protection in extended installations.

Type 2 QuickSafe SPDs provides input protection against the sustain repetitive transient overvoltages coming from indirect lightning strikes or by industrial environment.

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Key characteristics

Protection mode	L-N/L-PE/N-PE		
Number of protected lines	1		
Test class	II		
Integrated thermal disconnector	Yes		
End of life indicator	Yes		
Safety reserve	No		
Electrical characteristics			
Nominal discharge current	I_n (8/20)	kA	20
Maximal discharge current	I_{max} (8/20)	kA	40
Impulse current	I_{imp} (10/350)	kA	2
Maximal continuous operating voltage	U_c	V	350
Type of current / frequency		Hz	a.c. 47-63
Voltage protection level at I_n	U_p (L-PE)	kV	1,5
Voltage protection level at I_n	U_p (L-N)	kV	-
Voltage protection level at I_n	U_p (N-PE)	kV	-
Short circuit withstand	I_{SCCR}	kA	100
Total current	I_{TOTAL}	kA	40
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	462 / -
Voltage Combination Wave	U_{OC}	kV	10

Required thermal/back up protection

Curve B or C Circuit breaker	A	≤ 125
gG - gL fuse	A	≤ 125

Comments

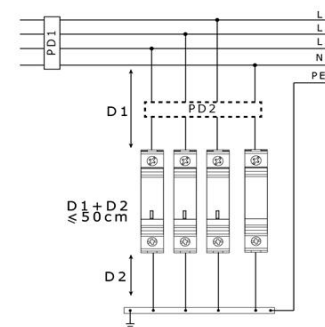
Mechanical characteristics

Dimensions	H x W x D	mm	88 x 17,8 x 58
Wire range : Solid wire		mm ²	2,5...25
Wire range : Stranded wire		mm ²	2,5...16
Stripping length		mm	12,5
Packing quantities		piece	Per 1

Miscellaneous characteristics

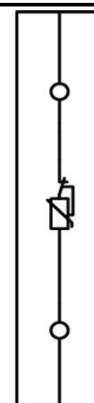
Maximal altitude	m	2000
Weight	g	120
Response time	ns	< 25
Fire resistance according to UL 94		V-0
Replacement cartridges		
Phase / Product ID	OVR T2 40-350 C QS	2CTB803886R1000
Neutral / Product ID	-	-

INSTALLATION



PD1-PD2

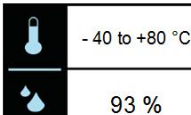
DIAGRAM



CHARACTERISTICS



IP 20



- 40 to +80 °C

93 %



2.8 N.m

