




OVR T1 3N 25 255 TS

2CTB815101R0700

EAN : 3 660 308 51093 8 3

FR : 510107

19/11/2015

Type
T1

Imp : 25 kA

Up: < 2,5 kV
System
TT: 230/400 V

According to IEC 61643-11

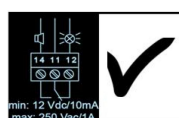
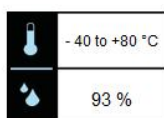
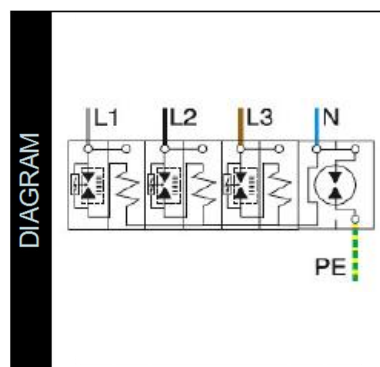
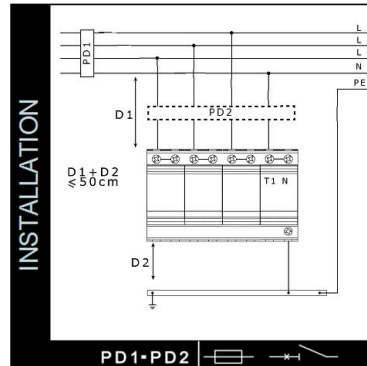
OVR type 1 is designed to discharge high current surges without any destruction of the installation. This surge protective device is characterized by its capacity to withstand impulse current with 10/350 μ s wave form which simulate direct impact coming from a natural lightning current. Type 1 SPDs are placed at the entrance point of the installation, in the main distribution board for a global protection of this installation.

- The impulse current of 25kA per pole (10/350 μ s wave) satisfies all requirements for overvoltage surge protection
- The early creation of the electric arc by its electronic ignition device reduces the protection level Up to an optimum value of 2,5kV
- OVR T1 SPDs contain a dedicated arc chamber for extinguishing the electrical arc following the discharge, they can open short circuits up to 50kA without using back up protection.



CHARACTERISTICS

Key characteristics			
Protection mode	L-L/L-N/L-PE/N-PE		
Number of protected lines	4		
Test class	I		
Integrated thermal disconnecter	-		
End of life indicator	Yes		
Safety reserve	-		
Electrical characteristics			
Nominal discharge current	I_n (8/20)	kA	25
Maximal discharge current	I_{max} (8/20)	kA	60
Impulse current	I_{imp} (10/350)	kA	25
Maximal continuous operating voltage	U_C	V	255
Type of current / frequency		Hz	a.c / 50
Voltage protection level at In	U_P (L-PE)	kV	2,5
Voltage protection level at In	U_P (L-N)	kV	2,5
Voltage protection level at In	U_P (N-PE)	kV	2,5
Short circuit withstand	I_{SCCR}	kA	50
Total current	I_{TOTAL} (8/20)	kA	150
Follow current interrupted	I_s	kA	50
Ground residual current	I_{PE}	μA	-
TOV withstand (L-N : 5s / N-PE : 200 ms)	U_T	V	450/1200
Voltage Combination Wave	U_{OC}	kV	-
Required thermal/back up protection			
Curve B or C Circuit breaker	A	-	-
gG - gL fuse	A	125	-
Comments			
Mechanical characteristics			
Dimensions	L x W x D	mm	90 x 142,4 x 64,8
Wire range : Solid wire		mm ²	2,5...50
Wire range : Stranded wire		mm ²	2,5...35
Stripping length		mm	15
Packing quantities		piece	Per 1
Miscellaneous characteristics			
Maximal altitude	m	2000	-
Weight	g	1100	-
Response time	ns	< 100	-
Fire resistance according to UL 94		V0	-
Replacement cartridges		-	-
Phase / Product ID	-	-	-
Neutral / Product ID	-	-	-



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