

Technical data

OVR range



Technical Features				Type 2
Electrical features	Standards			IEC 61643-1 / EN 61643-11 / UL1499 / CSA
	Type / test class			T2 / II
Electrical features	Poles			1P / 1P+N / 3P / 3P+N / 4P
	Types of networks			TNS - TT - TNC - IT / Wye / Delta
	Type of current			A.C.
	Nominal voltage Un		V	All US network voltages
	Max. cont. operating voltage Uc	(L-N / L-PE / N-PE)	V	150 / 275 / 320 / 440 / 550 / 660
	Voltage protection level Up at In	(L-N / L-PE / N-PE)	kV	0.6 / 1.2 / 1.4 / 1.8 / 2.5 / 2.9
	Nominal discharge current In (8/20)		kA	5 / 15 / 20 / 30
	Maximal discharge current Imax (8/20)		kA	15 / 40 / 65 / 100
	Impulse current Iimp (10/350)		kA	/
	Follow current If		kA	None
	Operating current Ic		mA	< 1
	Short circuit withstand Icc		kA	50
	Disconnecter			
	gG - gL fuse		A	16 - 25
	curve C circuit breaker		A	10 - 40
curve K circuit breaker				
Mechanical features	Stocking temperature		°C	-40 to +80
	Operating temperature		°C	-40 to +80
	Degree of protection			IP 20
	Fire resistance according to UL 94			V2
	Material of Housing			PC grey RAL 7035
	Maximal altitude		m	2000
	Integrated thermal disconnecter			Yes
	State indicator			Yes
	Compatibility with OVR Sign			Yes
	Safety reserve			Option
TS remote indicator			Option	
Installation	Wire range L/N			
	solid wire		mm ²	2.5 ... 25
	stranded wire		mm ²	2.5 ... 16
	Stripping length L/N		mm	12.5
	Tightening torque L/N		Nm	2
	Wire range PE			
	solid wire		mm ²	2.5 ... 25
	stranded wire		mm ²	2.5 ... 16
Stripping length PE		mm	12.5	
Tightening torque PE		Nm	2	
Dimensions and weight	Pole dimensions (H x D x W)		mm	85 x 58 x 17.5
	Pole weight		g	120
Technical Features of the integrated auxiliary contact				
Electrical features	Contact complement			1NO (1 make contact), 1NC (1 normally closed contact)
	Min. load			12V D.C. - 10 mA
	Max. load			250V A.C. - 1A
Installation	Connection cross-section		mm ²	1.5

Technical data

Electrical characteristics	6 V	12 V	24 V	48 V	200 V	200 V
	OVR TC 06 V	OVR TC 12 V	OVR TC 24 V	OVR TC 48 V	OVR TC 200 V	OVR TC 200 FR
Types of network	Communication	Communication	Communication	Communication	Communication	Communication
Number of pairs	1	1	1	1	1	1
Type of protection	Series	Series	Series	Series	Parallel	Series
Type of current	Low currents	Low currents	Low currents	Low currents	Low currents	Low currents
Nominal voltage: U_n	6 V	12 V	24 V	48 V	200 V	200 V
Max cont operating voltage: U_c	7 V	14 V	27 V	53 V	220 V	220 V
Voltage protection level: U_p at I_n	15 V	20 V	35 V	70 V	700 V	300 V
Nominal discharge current: I_n (8/20)	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Maximum discharge current: I_{max} (8/20)	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Bandwidth	10 MHz	2 MHz	4 MHz	6 MHz	100 MHz	3 MHz
Operating current: I_c	20 mA	20 mA	20 mA	20 mA	-	20 mA
Degree of protection	IP 203	IP 203	IP 203	IP 203	IP 203	IP 203
50 Hz withstand (15 mn)	10 A	10 A	10 A	10 A	-	10 A
Mechanical characteristics						
L/N connection terminals:						
- solid wire	0.5 ... 2.5 mm ²					
- stranded wire	0.5 ... 2.5 mm ²					
PE connection terminal:						
- solid wire	0.5 ... 2.5 mm ²					
- stranded wire	0.5 ... 2.5 mm ²					
Integrated thermal disconnecter		Yes			No	Yes
End of life indicator		Yes			No	Yes
Compatibility with OVR Sign		Yes			No	Yes
Miscellaneous characteristics						
Storage temperature	-40 °C to +80 °C					
Operating temperature	-40 °C to +80 °C					
Maximum altitude	2000 m					
Case material	PC grey RAL 7032					
Insulating material	UL94 V0 classification					
Reference standard	IEC 61643-21 / UL 1449					
Weight	150 g					