OVR T1-T2 3L 12.5-275s P TS QS 2CTB815710R0600

EAN: 3660308524911 FR: B752491

7/10/2017

Type

T1-T2

lmax:80 kA

limp: 12,5 kA

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 10/350 μ s) and they have as well a low residual voltage (Up).

They are installed in the main distribution switchboard but also in subdistribution board.

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

TN-C: 230/400 V



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

Protection mode	Key characteristics			
Integrated thermal disconnector				L-PEN
Integrated thermal disconnector	Number of protected lines			3
End of life indicator	Test class			1 11
Safety reserve Yes	Integrated thermal disconnector			
Selectrical characteristics	End of life indicator			
Nominal discharge current In (8/20) KA 20 Maximal discharge current Imax (8/20) KA 80 Impulse current Impulse cu	Safety reserve			Yes
Maximal discharge current Immax (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 Uc dc V 350 Type of current / frequency Hz a.c. 47-63 Voltage protection level at In Up (L-PE) kV 1,4 Voltage protection level at In Up (N-PE) kV - Voltage protection level at In Up (N-PE) kV - Short circuit withstand Isccre kA 100 100 Total current Isccre kA 100	Electrical characteristics			
Impulse current Impulse c	Nominal discharge current	In (8/20)		
Maximal continuous operating voltage Uc V 275 Maximal continuous operating voltage d.c Uc dc V 350 Type of current / frequency Hz a.c. 47-63 Voltage protection level at In Up (L-PE) kV 1,4 Voltage protection level at In Up (N-PE) kV - Voltage protection level at In Up (N-PE) kV - Voltage protection level at In Up (N-PE) kV - Short circuit withstand Isccr kA 100 Total current Irotal. kA 37,5 Follow current interrupted In kA -7- Ground residual current IPE µA <1000	Maximal discharge current	I _{max} (8/20)	kA	
Maximal continuous operating voltage d.c Uc dc V 350	Impulse current	I _{imp} (10/350)		·
Type of current / frequency Voltage protection level at \ln Voltage protection level at \ln Up (L-PE) Voltage protection level at \ln Up (L-N) Voltage protection level at \ln Up (N-PE) Voltage protection level at \ln In \ln Voltage protection level at \ln In \ln Voltage protection level at \ln In \ln Voltage protection level at \ln Voltage protection level at \ln In \ln Voltage protection level at \ln Voltage \ln Voltag		Uc		
Voltage protection level at In $U_{\rm p}$ (L-PE) kV 1,4 Voltage protection level at In $U_{\rm p}$ (L-N) kV - Voltage protection level at In $U_{\rm p}$ (N-PE) kV - Short circuit withstand $I_{\rm SCCR}$ kA 100 Total current $I_{\rm TOTAL}$ $I_{\rm KA}$ 37,5 Follow current interrupted $I_{\rm fi}$ $I_{\rm FCR}$	Maximal continuous operating voltage d.c	U c d.c		
Voltage protection level at In U_p (L-N) \mathbb{R}^V - Voltage protection level at In U_p (N-PE) \mathbb{R}^V - Short circuit withstand I_{SCCR} \mathbb{R}^A 100 I_{TOTAL} $I_{$				a.c. 47-63
Voltage protection level at In U_p (N-PE) kV - Short circuit withstand I_{SCCR} kA 100 Total current I_{TOTAL} kA 37,5 Follow current interrupted I_B kA -/- Ground residual current I_{PE} $I_$	Voltage protection level at In	<i>U</i> _P (L-PE)	***	1,4
Short circuit withstand Iscore KA 100	Voltage protection level at In	<i>U</i> _P (L-N)	kV	-
Total current Total current Total KA 37,5 Follow current interrupted In KA -/- Ground residual current Ine µA <1000 TOV withstand (L-N : 5s / N-PE : 200 ms) U⊤ V 337 / - Voltage Combination Wave Uoc kV - Required thermal/back up protection Curve B or C Circuit breaker A ≤ 125 GG - gL fuse A ≤ 160 Comments Comments Mechanical characteristics Dimensions H x W x D mm 95x53.4x69.4 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 450 Response time ns <25 Fire resistance according to UL 94 Replacement cartridges Phase / Product ID OVR T1-T2 12.5-275s C QS 2CTB815710R2600 CTB	Voltage protection level at In	<i>U</i> _₽ (N-PE)	***	-
Foliow current interrupted	Short circuit withstand	/sccr	kA	100
Ground residual current I_{PE} μA <1000 TOV withstand (L-N:5s/N-PE:200 ms) U_{T} V 337/- Voltage Combination Wave U_{OC} kV - Required thermal/back up protection Curve B or C Circuit breaker A ≤ 125 $GS - gL$ fuse A ≤ 160 Comments Mechanical characteristics Dimensions A	Total current	/TOTAL		7 17
TOV withstand (L-N: 5s / N-PE : 200 ms) Voltage Combination Wave V	Follow current interrupted	/ fi	kA	•
Voltage Combination Wave Required thermal/back up protection Curve B or C Circuit breaker GG - gL fuse A ≤ 160 Comments Mechanical characteristics Dimensions H x W x D mm 95x53.4x69.4 Wire range: Solid wire mm² 2.535 Wire range: Stranded wire mm² 2.525 Stripping length mm 12.5 Packing quantities piece Per 1 Miscellaneous characteristics Maximal altitude m 2000 Weight g 450 Response time Fire resistance according to UL 94 Replacement cartridges Phase / Product ID OVR T1-T2 12.5-275s C QS 2125 V - 0 RESPONSE TO SERVICE AND SIVE OF TORROWS CONTROLLED A ≤ 125 A ≤ 125 A ≤ 160 Phase / Product ID OVR T1-T2 12.5-275s C QS 225 225 225 226 227 227 238 249 249 240 250 267 267 267 267 267 267 267 26	Ground residual current	/PE	The second second	
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 95x53.4x69.4 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 450 Response time ns <25	TOV withstand (L-N: 5s / N-PE: 200 ms)	Uτ		337 / -
Curve B or C Circuit breaker A ≤ 125 gG - gL fuse A ≤ 160 Comments Mechanical characteristics Dimensions H x W x D mm 95x53.4x69.4 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 m 2 000 Maximal altitude m 2 000 Weight g 450 Response time ns <25	Voltage Combination Wave	<i>U</i> oc	kV	-
gG - gL fuse A ≤ 160 Comments Mechanical characteristics Dimensions H x W x D mm 95x53.4x69.4 Wire range : Solid wire mm² 2.5 25 Stripping length mm 12.5 Packing quantities piece Per 1 Miscellaneous characteristics Maximal altitude m 2000 Weight g 450 Response time ns < 25 Fire resistance according to UL 94 Replacement cartridges Phase / Product ID OVR T1-T2 12.5-275s C QS 2CTB815710R2600	Required thermal/back up protection			
Mechanical characteristics	Curve B or C Circuit breaker		Α	≤ 125
Mechanical characteristics Dimensions H x W x D mm 95x53.4x69.4 Wire range : Solid wire mm² 2.5 35 Wire range : Stranded wire mm² 2.5 25 Stripping length mm 12.5 Packing quantities plece Per 1 Miscellaneous characteristics Maximal altitude m 2 000 Weight g 450 Response time ns <25	gG - gL fuse		Α	≤ 160
Dimensions H x W x D mm 95x53.4x69.4 Wire range : Solid wire mm² 2.5 35 Wire range : Stranded wire mm² 2.5 25 Stripping length mm 12.5 Packing quantities plece Per 1 Miscellaneous characteristics Maximal altitude m 2 000 Weight g 450 Response time ns <25	Comments			
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 450 Response time ns <25	Mechanical characteristics			
Wire range : Stranded wire mm² 2.5 25 Stripping length mm 12.5 Packing quantities piece Per 1 Miscellaneous characteristics m 2 000 Maximal altitude m 2 000 Weight g 450 Response time ns <25	Dimensions	HxWxD	mm	
Stripping length	Wire range : Solid wire		mm²	
Packing quantities plece Per 1	Wire range : Stranded wire		mm²	
Miscellaneous characteristics Maximal altitude m 2 000 Weight g 450 Response time ns <25 Fire resistance according to UL 94 V-0 Replacement cartridges V-0 Phase / Product ID OVR T1-T2 12.5-275s C QS 2CTB815710R2600	Stripping length		mm	
Maximal altitude m 2 000 Weight g 450 Response time ns <25	Packing quantities		piece	Per 1
Weight g 450 Response time ns <25	Miscellaneous characteristics			
Response time	Maximal altitude		m	
Fire resistance according to UL 94 Replacement cartridges Phase / Product ID OVR T1-T2 12.5-275s C QS 2CTB815710R2600	Weight		g	
Replacement cartridges Phase / Product ID	Response time		ns	
Phase / Product ID OVR T1-T2 12.5-275s C QS 2CTB815710R2600	Fire resistance according to UL 94			V-0
	Replacement cartridges			
	Phase / Product ID	OVR T1-T2 12.5-275s C QS		2CTB815710R2600
	Neutral / Product ID			-

















