

COMBTEC LIGHTNING & SURGE ARRESTERS



COMBTEC

SCHRACK INFO

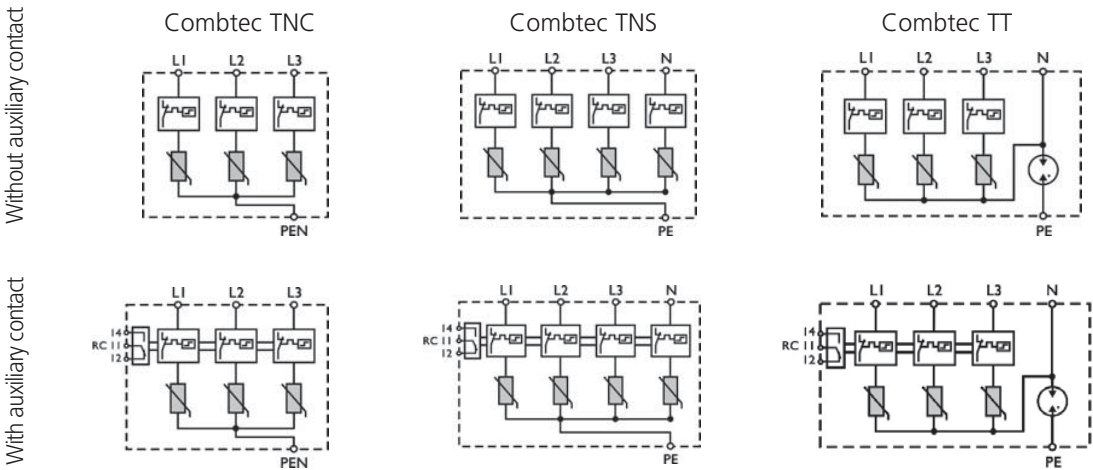
The Schrack Combtec series is a combination of lightning and surge arresters (TI + TII). This series was tested and certified in accordance with IEC/EN 61643. The use of SCHRACK Combtec arresters is necessary in consumer systems that are classified in lightning protection class (hazard level) III or IV (12.5 kA (10/350) per pole). In indoor mounting not dependent on position the national installation regulations must be followed (Austria: ÖVE/ÖNORM E 8001, ÖVE/ÖNORM 8049, ÖVE/ÖNORM EN 62305). The Combtec series has been designed such that there is a complete unit for each network system – interconnecting different devices is not necessary. Special rail mounting systems are available for easy rail connection of the SPDs with the residual current circuit breaker.

TECHNICAL DATA

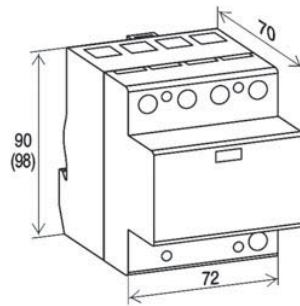
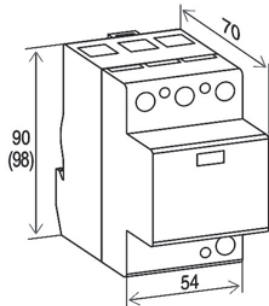
	Combtec TNC*	Combtec TNS*	Combtec TT*
Validated according to	Test class I + II + [III] (B + C + [D]) IEC61643-1/EN 61643-11		
Max. continuous voltage	275 V _{AC} (350 V _{DC})	275 V _{AC} (350 V _{DC})	275 V _{AC} (350 V _{DC})
Impulse current I _{imp} (10/350)	12.5 kA/Pole	12.5 kA/Pole	12.5 kA/Pole
Specific power (W/R)	39 kJ/Ω/Pole	39 kJ/Ω/Pole	39 kJ/Ω/Pole
Charge Q	6,25 As/Pole	6,25 As/Pole	6,25 As/Pole
Max. discharge current I _{max} (8/20)	50 kA/Pole	50 kA/Pole	50 kA/Pole
Nominal discharge current I _n (8/20)	20 kA/Pole	20 kA/Pole	20 kA/Pole
[Combined surge U _{co} /I _{co}]	[10 kV/5 kA]	[10 kV/5 kA]	[10 kV/5 kA]
Protection level U _p (at I _n)	≤1,5kV	≤1,5kV	≤1,5kV
Max. tightening torque	4.5 Nm	4.5 Nm	4.5 Nm
Max. back-up fuse	250 AgL		
Temperature range	-40 °C ~+ 80 °C		
Terminal cross-section	35 mm ² (solid), 25 mm ² (finely stranded)		
Mounting	35 mm DIN rail		
Degree of protection	IP20		
Dimensions	54 x 90 x 70	72 x 90 x 70	72 x 90 x 70
Dimensions with auxiliary contact	54 x 98 x 70	72 x 98 x 70	72 x 98 x 70

* for max. continuous voltage U_c = 335 V AC versions, charge article code to IS210*, all other technical data are identical

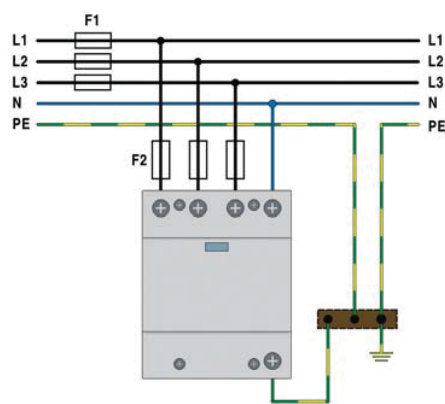
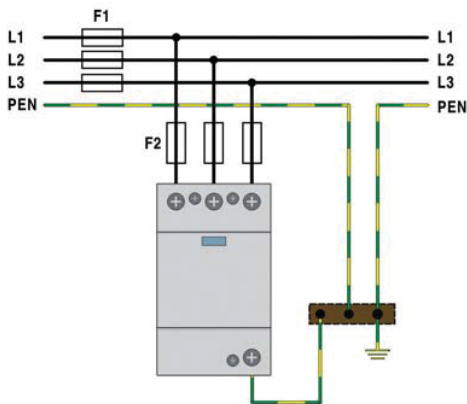
SCHEMATIC DIAGRAM



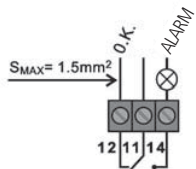
DIMENSIONS



CONNECTION DIAGRAM

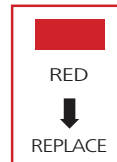


OTHER



A.C.	250 V / 0.5 A
D.C.	250 V / 0.1 A
	125 V / 0.2 A
	75 V / 0.5 A

For SPDs with auxiliary contact, the product number ends with "1".



If the colour of the viewing window changes to red, the SPD was overloaded and must be replaced.

DESCRIPTION	MVA	LIGHTNING PROT.	ARRESTER CLASS	Uc	EAN CODE	AVAILABLE	ORDER NO.
COMBTEC BC TNC 275/125	3	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554014		IS211230
COMBTEC BC TNC 275/125 + aux. contact	3	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554045		IS211231
COMBTEC BC TNS 275/125	4	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554021		IS211240
COMBTEC BC TNS 275/125 + aux. contact	4	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554052		IS211241
COMBTEC BC TT 275/125	4	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554038		IS211210
COMBTEC BC TT 275/25 + aux. contact	4	III + (IV)	T1 + TII (B+C)	275 V AC	9004840554069		IS211211
COMBTEC BCD TNC 275/125 + aux. contact	3	III + (IV)	T1 + TII + TIII (B+C+D)	275 V AC	9004840554076		IS211431
COMBTEC BCD TNS 275/125 + aux. contact	4	III + (IV)	T1 + TII + TIII (B+C+D)	275 V AC	9004840554083		IS211441
COMBTEC BCD TT 275/125 + aux. contact	4	III + (IV)	T1 + TII + TIII (B+C+D)	275 V AC	9004840554090		IS211411
Busbar UEA (BC) between RCCB 3-pole	6				9004840557091		IS050019
Busbar UEA (BC) between RCCB 4-pole	8				9004840557084		IS050020



Order no. blue: on stock, usually ready for delivery on the day of order!