

Category IEC / EN:	Type 2 surge protection device (SPD)
Location of use:	Main and sub-distribution boards
Networks:	TT
Protection modes:	N-PE
High surge discharge rating:	I_{max} : 40 kA
Complies with:	EN 61643-11, IEC 61643-11
Pluggable module	
Optimized to TOV	

Technical data: C PRO N-PE 255		
System nominal voltage(AC)	U_n	230/400 V (50/60 Hz)
Max.continuos operating voltage (AC)	U_c	255 Vac
Nominal discharge current (8/20)	I_n	20 kA
Max. discharge current (8/20)	I_{max}	40 kA
Voltage protection level at In	U_p	1,5 kV
Voltage protection level at 5kA	U_{res}	1,5 kV
Response time	t_a	<100 ns
Follow current extinguishing capability	I_{fi}	100 A
Temporary overvoltage whitstand	U_{TOV}	1200V for 200 ms
Operating temperature range	t_a	-40 °C ... +80 °C
Operating state / fault indication		green / red
Number of ports		1
Mechnical characteristics		
Min.cross section for terminals	mm²	1,5 mm2 solid wire
Max.cross section for terminals	mm²	25 mm2 flex. Wire/35 mm2 solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclousure material/flammability rate		thermoplastic, gray, UL 94 V-0
Degree of protection		IP 20
Switching capacity (a.c.)		250 V / 0.5 A
Switching capacity (d.c.)		250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A

Order informations	Order Code	Weight
C PRO N-PE 255	600018	91 g
C PRO N-PE 255 -M (module)	600030	30 g



