

Category IEC / EN:	Type 1+2 surge protection device (SPD)
Location of use:	Main distribution boards
Connections:	TT
Protection modes:	N-PE
High surge discharge rating:	I_{imp} : 50 kA
Complies with:	EN 61643-11, IEC 61643-11
Pluggable module	
Optimized to TOV	

Technical data: B PRO N-PE 255			
System nominal voltage(AC)	U_n	230/400 (50/60 Hz)	
Max.continuos voltage (AC)	U_c	255 Vac	
Impulse discharge current (10/350)	I_{imp}	50 kA	
Specific energy	W/R	625 kJ / Ω	
Charge	Q	25 As	
Nominal discharge current (8/20)	I_n	20 kA	
Max.discharge current	I_{max}	50 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}	1200 V for 200 ms	
Operating temperature range	T_u	-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**	
B PRO N-PE 255	600019	105 g	
B PRO N-PE 255-M (module)	600034	43 g	



