

Category IEC / EN:	Type 1+2 surge protection device (SPD)
Location of use:	Main distribution boards
Connections:	TN-C,TN-S,TT and IT
Protection modes:	L/N-PE, L-PEN, L-N
Impulse current discharge rating :	I_{imp}: 12,5 kA
Complies with:	EN 61643-11, IEC 61643-11
Pluggable module	
Remote signaling (option)	
Optimized to TOV	

Technical data: B PRO 12,5/275 1P & B PRO 12,5/275 1P-R (with remote contact)		
System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)
Max.continuos voltage (AC)	U_c	275 V ac
Impulse discharge current (10/350)	I_{imp}	12,5 kA
Specific energy	W/R	39 kJ / Ω
Charge	Q	6.25 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 kV
Response time	t_a	< 25 ns
Temporary overvoltage 5 s	U_{TOV}	335 V- whitstand
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure
Short circuit whitstand capability with max.overcurrent protection	I_{SCCR}	50 kArms
Temporary overvoltage 1200 V for 200 ms.	U_{tov}	
Max.overcurrent protection		160 AgG
Max.overcurrent protection with V connection		63 AgG
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
Type of remote signalling contact		changeover contact
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 12,5/275 1P	600024	168g
B PRO 12,5/275 1P-R (with remote contact)	600013	171 g
B PRO 12,5/275-M (module)	600033	105 g



