



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)

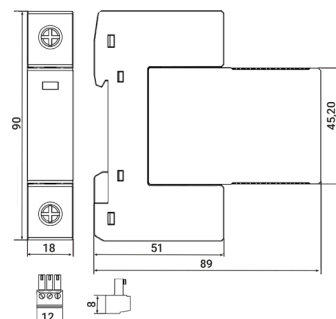
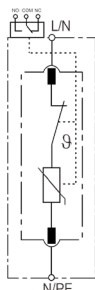
System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)
Max.continuos voltage (AC)	U_c	275 V ac
Impulse discharge current (10/350)	I_{imp}	12,5 kA
Specific energy	W/R	39 kJ / Ω
Charge	Q	6.25 As
Nominal discharge current (8/20)	I_n	20 kA
Max.discharge current	I_{max}	50 kA
Voltage protection level at I_n	U_p	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- withstand
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure
Short circuit withstand 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

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclosure 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





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: $I_{imp} : 50 \text{ kA}$
 Complies with: EN 61643-11, IEC 61643-11
 Pluggable module
 Optimized to TOV

Technical data: B PRO N-PE 255

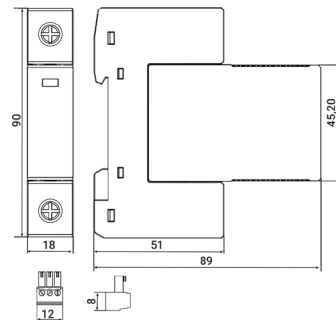
System nominal voltage(AC)	U_n	230/400 (50/60 Hz)
Max.continuos voltage (AC)	U_c	255 Vac
Impulse discharge current (10/350)	I_{imp}	50 kA
Specific energy	W/R	625 kJ / Ω
Charge	Q	25 As
Nominal discharge current (8/20)	I_n	20 kA
Max.discharge current	I_{max}	50 kA
Voltage protection level at I_n	U_p	1,5 kV
Voltage protection level at 5kA	U_{res}	1,5 kV
Response time	t_a	< 100 ns
Follow current	I_{fi}	100 A
Temporary overvoltage withstand	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

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² 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

B PRO N-PE 255	600019	105 g
B PRO N-PE 255-M (module)	600034	43 g





Category IEC / EN: Type 1+2 surge protection device (SPD)
 Location of use: Main distribution boards
 Connections: TN-S and TT
 Protection modes: L-N, N-PE
 Impulse current discharge rating : I_{imp} : 12,5 kA / 50kA
 Complies with: EN 61643-11, IEC 61643-11
 Pluggable module
 Remote signaling (option)
 Optimized to TOV

Technical data: B PRO 12,5/275 1+1 & B PRO 12,5/275 1+1-R (with remote contact)

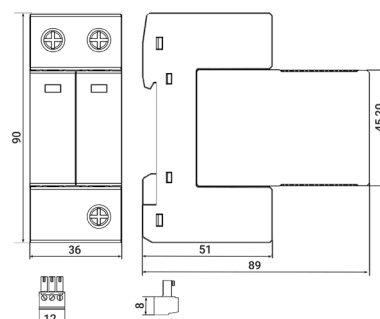
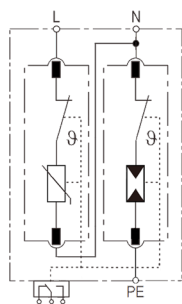
Protection mode		L-N	N-PE
System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)	
Max.continuous voltage (AC)	U_c	275 Vac	255 Vac
Impulse discharge current (10/350)	I_{imp}	12,5 kA	50 kA
Specific energy	W/R	39 kJ / Ω	625 kJ / Ω
Charge	Q	6.25As	25 As
Nominal discharge current (8/20)	I_n		20 kA
Max.discharge current	I_{max}		50 kA
Voltage protection level at I_n	U_p	1,5 kV	1,5 kV
Voltage protection level at 5kA	U_{res}	1 kV	1,5 kV
Response time	t_a	< 25 ns	< 100 ns
Temporay overvoltage 5 sec.	U_{TOV}	335 V- withstand	
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure	
Temporary overvoltage 1200 V for 200 ms.	U_{tov}		withstand
Short circuit withstand capability with max.overcurrent protection	I_{SCCR}	50 kA rms	
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	

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclosure 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 1+1	600041	252 g
B PRO 12,5/275 1+1-R (with remote contact)	600042	255 g
B PRO 12,5/275-M (module)	600033	105 g
B PRO N-PE 255-M (module)	600034	43 g





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

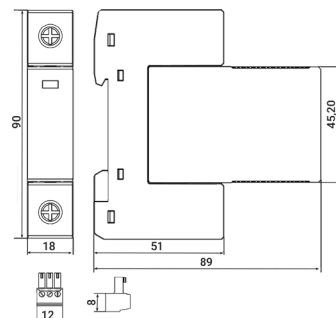
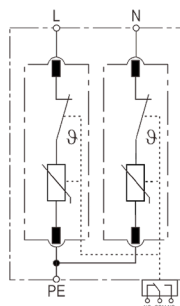
Technical data: B PRO 12,5/275 2P & B PRO 12,5/275 2P-R (with remote contact)

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 I_n	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- withstand
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure
Short circuit withstand capability with max.overcurrent protection	I_{SCCR}	50 kArms
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

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclosure 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 2P	600039	313 g
B PRO 12.5/275 2P-R (with remote contact)	600040	319 g
B PRO 12,5/275-M (module)	600033	105 g





Category IEC / EN: Type 1+2 surge protection device (SPD)

Location of use: Main distribution boards

Connections: TN-S and TT

Protection modes: L-N, N-PE

High surge discharge rating: I_{imp} : 12,5 kA / 50 kA

Complies with: EN 61643-11, IEC 61643-11

Pluggable module

Remote signaling (option)

Optimized to TOV

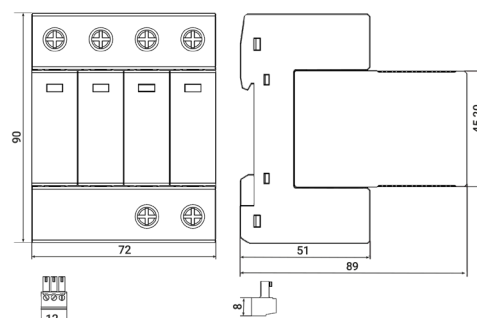
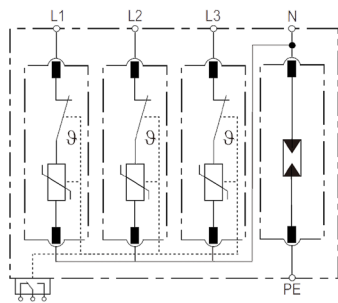
Technical data: B PRO 12.5/275 3+1 & B PRO 12.5/275 3+1-R (with remote contact)

Protection mode		L-N	N-PE
System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)	
Max.continuos voltage (AC)	U_c	275 Vac	255 Vac
Impulse discharge current (10/350)	I_{imp}	12,5 kA	50 kA
Specific energy	W/R	39 kJ / Ω	625 kJ / Ω
Charge	Q	6.25As	25 As
Nominal discharge current (8/20)	I_n	20kA	
Max.discharge current	I_{max}	50 kA	
Voltage protection level at I_n	U_p	1,2 kV	1,5 kV
Voltage protection level at 5kA	U_{res}	1 kV	1,5 kV
Response time	t_a	< 25 ns	< 100 ns
Temporay overvoltage 5 sec.	U_{TOV}	335 V- withstand	
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure	
Temporary overvoltage 1200 V for 200 ms.	U_{TOV}	withstand	
Short circuit withstand capability with max.overcurrent protection	I_{SCCR}	50 kA rms	
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	

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² 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 3+1	600026	556 g
B PRO 12,5/275 3+1-R (with remote contact)	600027	563 g
B PRO 12,5/275-M (module)	600033	105 g
B PRO N-PE 255-M (module)	600034	43 g





Category IEC / EN: Type 1+2 surge protection device (SPD)
 Location of use: Main distribution boards
 Connections: TN-C
 Protection modes: L - PEN
 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 3P & B PRO 12,5/275 3P-R (with remote contact)

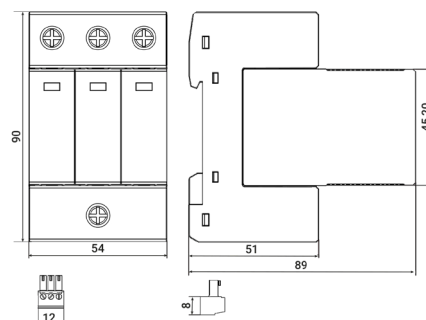
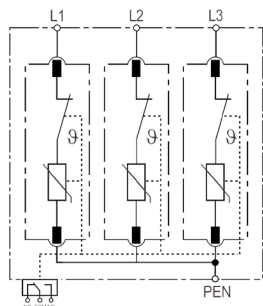
System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)
Max.continuos voltage (AC)	U_c	275 V ac
Impulse discharge current (10/350)	I_{imp}	12,5 kA
Specific energy	W/R	39 kJ / Ω
Charge	Q	6.25As
Nominal discharge current (8/20)	I_n	20 kA
Max.discharge current	I_{max}	50 kA
Voltage protection level at I_n	U_p	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- withstand
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure
Short circuit withstand capability with max.overcurrent protection	I_{SCCR}	50 kArms
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

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclosure 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 3P	600025	461 g
B PRO 12,5/275 3P-R (with remote contact)	600014	468 g
B PRO 12,5/275-M (module)	600033	105 g





Category IEC / EN: Type 1+2 surge protection device (SPD)
 Location of use: Main distribution boards
 Connections: TN-C-S and TN-S
 Protection modes: L-PE and N-PE
 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 4P & B PRO 12,5/275 4P-R (with remote contact)

System nominal voltage(AC)	U_n	230/400 V(50/60 Hz)
Max.continuous 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 I_n	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- withstand
Temporary overvoltage 120 min.	U_{TOV}	440 V-safe failure
Short circuit withstand capability with max.overcurrent protection	I_{SCCR}	50kArms
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

Mechanical characteristics

Min.cross section for terminals	mm ²	1,5 mm ² solid wire
Max.cross section for terminals	mm ²	25 mm ² flex. Wire/35 mm ² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclosure 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 4P	600043 621 g
B PRO 12,5/275 4P-R (with remote contact)	600044 226 g
B PRO 12,5/275-M (module)	600033 105 g

