



B+C
Surge Arrester

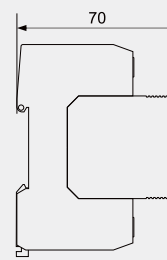
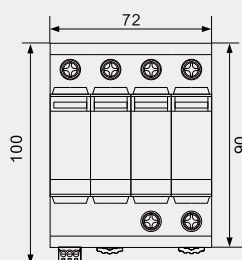
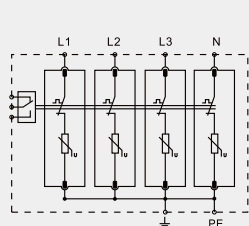


T1+T2 Surge Arrester

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BR-12.5M 4P

T1+T2 Surge Arrester

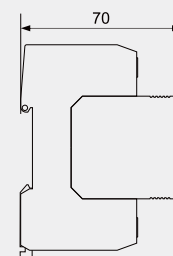
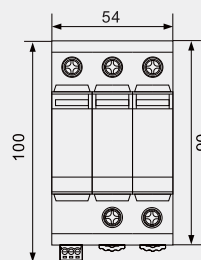
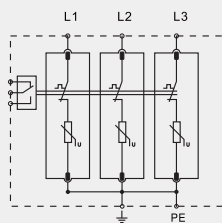


BR-25M 4P is suitable for TN-S system.

	BR-12.5M 150 4P	BR-12.5M 275 4P	BR-12.5M 320 4P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	U_c	150V	275V
Lightning impulse current (10/350 μ s)	I_{imp}	12.5kA	12.5kA
Total discharge current (10/350 μ s)	I_{total}	50kA	50kA
Nominal discharge current (8/20 μ s)	I_n	25kA	25kA
Max. discharge current (8/20 μ s)	I_{max}	60kA	60kA
Voltage protection level	U_p	≤ 0.8 kV	≤ 1.3 kV
Specific energy	W/R	39kJ/ Ω	39kJ/ Ω
Short circuit withstand capacity	I_{SCCR}	25kA	25kA
Temporary overvoltage TOV-withstand	U_T	175V/5sec.	335V/5sec.
Temporary overvoltage TOV-safe failure	U_T	250V/120min.	440V/120min.
Max. backup fuse		125A gG	125A gG
Leakage current	I_{PE}	<0.1mA	<0.1mA
Response time	t_A	≤ 25 ns	≤ 25 ns
Operating temperature range	T_u	-40 $^{\circ}$ C-80 $^{\circ}$ C	-40 $^{\circ}$ C-80 $^{\circ}$ C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm 2	4mm 2
Cross-section area (Max.)		35mm 2	35mm 2
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B18411	B18413	B18415
Order Code (With remote signaling)	B18412	B18414	B18416

BR-12.5M 3P

T1+T2 Surge Arrester

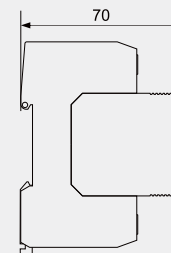
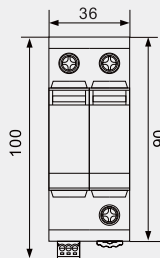
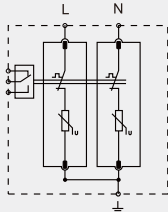


■ BR-12.5M 3P surge arrester is suitable for TN-C system.

		BR-12.5M 150 3P	BR-12.5M 275 3P	BR-12.5M 320 3P
SPD classification according to EN61643-11		Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11		Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V	320V
Lightning impulse current (10/350µs)	Iimp	12.5kA	12.5kA	12.5kA
Total discharge current (10/350µs)	Itotal	37.5kA	37.5kA	37.5kA
Nominal discharge current (8/20µs)	In	25kA	25kA	25kA
Max. discharge current (8/20µs)	I _{max}	60kA	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV	≤1.5kV
Specific energy	W/R	39kJ/Ω	39kJ/Ω	39kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure	U _T	250V/120min.	440V/120min.	550V/120min.
Max. backup fuse		125A gG	125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns	≤25ns
Operating temperature range	T _u	-40°C–80°C	-40°C–80°C	-40°C–80°C
Operating state/fault indication		green/red	green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail		
Enclosure material		Thermoplastic UL94-V0		
Degree of protection		IP20	IP20	IP20
Order Code		B18311	B18313	B18315
Order Code (With remote signaling)		B18312	B18314	B18316

BR-12.5M 2P

T1+T2 Surge Arrester

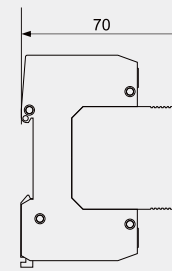
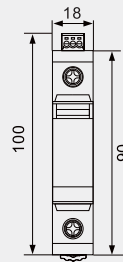
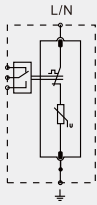


BR-12.5M 2P surge arrester is suitable for single phase TN system.

	BR-12.5M 150 2P	BR-12.5M 275 2P	BR-12.5M 320 2P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V
Lightning impulse current (10/350 μ s) I_{imp}	12.5kA	12.5kA	12.5kA
Total discharge current (10/350 μ s) I_{total}	25kA	25kA	25kA
Nominal discharge current (8/20 μ s) I_n	25kA	25kA	25kA
Max. discharge current (8/20 μ s) I_{max}	60kA	60kA	60kA
Voltage protection level U_p	$\leq 0.8kV$	$\leq 1.3kV$	$\leq 1.5kV$
Specific energy W/R	39kJ/ Ω	39kJ/ Ω	39kJ/ Ω
Short circuit withstand capacity I_{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand U_T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure U_T	250V/120min.	440V/120min.	550V/120min.
Max. backup fuse	125A gG	125A gG	125A gG
Leakage current I_{PE}	<0.1mA	<0.1mA	<0.1mA
Response time t_A	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Operating temperature range T_u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4mm ²	4mm ²	4mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B18211	B18213	B18215
Order Code (With remote signaling)	B18212	B18214	B18216

BR-12.5M 1P

T1+T2 Surge Arrester

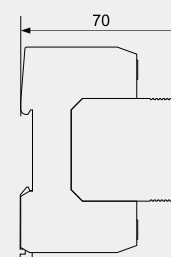
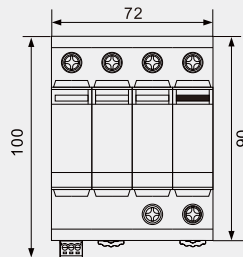
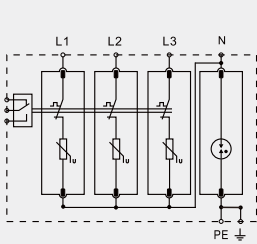
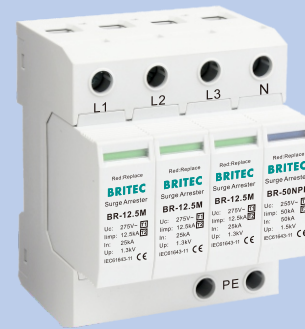


BR-12.5M 1P can be used to build 2P, 3P and 4P surge arresters.

	BR-12.5M 150 1P	BR-12.5M 275 1P	BR-12.5M 320 1P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V
Lightning impulse current (10/350µs)	Iimp	12.5kA	12.5kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	I _{max}	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV
Specific energy	W/R	39kJ/Ω	39kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	175V/5sec.	335V/5sec.
Temporary overvoltage TOV-safe failure	U _T	250V/120min.	440V/120min.
Max. backup fuse		125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns
Operating temperature range	T _u	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B18171	B18173	B18175
Order Code (With remote signaling)	B18172	B18174	B18176

BR-12.5M 3+1

T1+T2 Surge Arrester

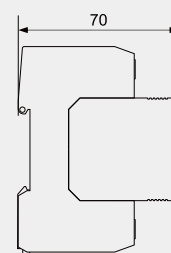
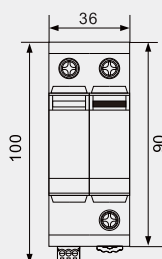
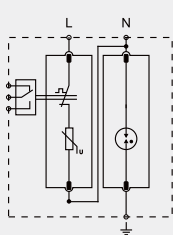


■ BR-12.5M 3+1 surge arrester is suitable for TT system.

	BR-12.5M 150 3+1	BR-12.5M 275 3+1	BR-12.5M 320 3+1
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V
Lightning impulse current (10/350 μ s) (L-N/N-PE) I_{imp}	12.5kA/50kA	12.5kA/50kA	12.5kA/50kA
Total discharge current (10/350 μ s) I_{total}	50kA	50kA	50kA
Nominal discharge current (8/20 μ s) (L-N/N-PE) I_n	25kA/50kA	25kA/50kA	25kA/50kA
Max. discharge current (8/20 μ s) (L-N/N-PE) I_{max}	60kA/100kA	60kA/100kA	60kA/100kA
Voltage protection level (L-N/N-PE) U_p	$\leq 0.8kV/\leq 1.5kV$	$\leq 1.3kV/\leq 1.5kV$	$\leq 1.5kV/\leq 1.5kV$
Voltage protection level 5kA (L-N/N-PE) U_p	$\leq 0.6kV/\leq 1.5kV$	$\leq 1kV/\leq 1.5kV$	$\leq 1.2kV/\leq 1.5kV$
Max. backup fuse	125A gG	125A gG	125A gG
Specific energy (L-N/N-PE) W/R	39kJ/ Ω /625kJ/ Ω	39kJ/ Ω /625kJ/ Ω	39kJ/ Ω /625kJ/ Ω
Short circuit withstand capacity I_{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand (L-N) U_T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure (L-N) U_T	250V/120min.	440V/120min.	550V/120min.
Temporary overvoltage TOV-withstand (N-PE) U_T	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current I_{PE}	$< 0.1mA$	$< 0.1mA$	$< 0.1mA$
Response time (L-N/N-PE) t_A	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$
Operating temperature range T_u	-40 $^{\circ}C$ -80 $^{\circ}C$	-40 $^{\circ}C$ -80 $^{\circ}C$	-40 $^{\circ}C$ -80 $^{\circ}C$
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B18611	B18613	B18615
Order Code (With remote signaling)	B18612	B18614	B18616

BR-12.5M 1+1

T1+T2 Surge Arrester

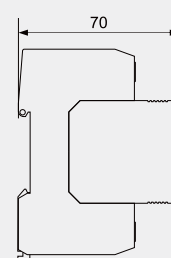
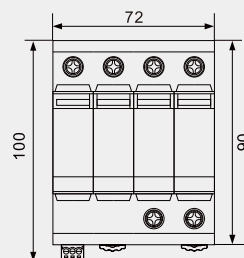
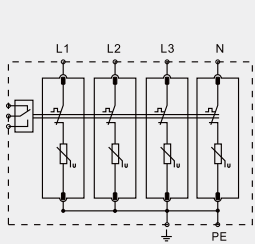


■ BR-12.5M 1+1 surge arrester is suitable for TN-S system.

	BR-12.5M 150 1+1	BR-12.5M 275 1+1	BR-12.5M 320 1+1
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V
Lightning impulse current (10/350 μ s) (L-N/N-PE) I_{imp}	12.5kA/25kA	12.5kA/25kA	12.5kA/25kA
Total discharge current (10/350 μ s) I_{total}	25kA	25kA	25kA
Nominal discharge current (8/20 μ s) (L-N/N-PE) I_n	25kA/50kA	25kA/50kA	25kA/50kA
Max. discharge current (8/20 μ s) (L-N/N-PE) I_{max}	60kA/100kA	60kA/100kA	60kA/100kA
Voltage protection level (L-N/N-PE) U_p	$\leq 0.8kV/\leq 1.5kV$	$\leq 1.3kV/\leq 1.5kV$	$\leq 1.5kV/\leq 1.5kV$
Voltage protection level 5kA (L-N/N-PE) U_p	$\leq 0.6kV/\leq 1.5kV$	$\leq 1kV/\leq 1.5kV$	$\leq 1.2kV/\leq 1.5kV$
Max. backup fuse	125A gG	125A gG	125A gG
Specific energy (L-N/N-PE) W/R	39kJ/ Ω /156kJ/ Ω	39kJ/ Ω /156kJ/ Ω	39kJ/ Ω /156kJ/ Ω
Short circuit withstand capacity I_{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand (L-N) U_T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure (L-N) U_T	250V/120min.	440V/120min.	550V/120min.
Temporary overvoltage TOV-withstand (N-PE) U_T	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current I_{PE}	<0.1mA	<0.1mA	<0.1mA
Response time (L-N/N-PE) t_A	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$
Operating temperature range T_u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B18617	B18619	B18621
Order Code (With remote signaling)	B18618	B18620	B18622

BR-7M 4P

T1+T2 Surge Arrester

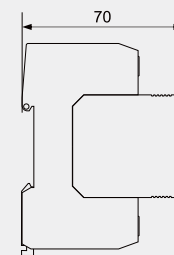
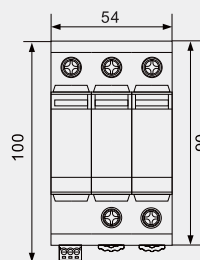
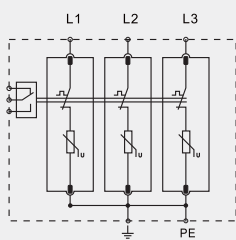
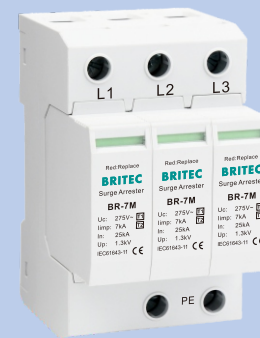


BR-7M 4P surge arrester is suitable for TN-S system.

	BR-7M 150 4P	BR-7M 275 4P	BR-7M 320 4P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V
Lightning impulse current (10/350µs)	Iimp	7kA	7kA
Total discharge current (10/350µs)	Itotal	28kA	28kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	Imax	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV
Specific energy	W/R	12.25kJ/Ω	12.25kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA
Temporary overvoltage TOV-withstand	UT	175V/5sec.	335V/5sec.
Temporary overvoltage TOV-safe failure	UT	250V/120min.	440V/120min.
Max. backup fuse		125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns
Operating temperature range	Tu	-40°C–80°C	-40°C–80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B17300	B17302	B17304
Order Code (With remote signaling)	B17301	B17303	B17305

BR-7M 3P

T1+T2 Surge Arrester

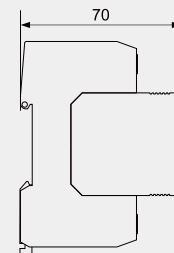
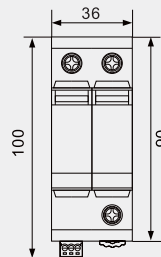
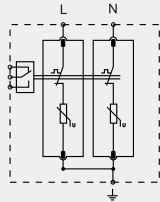


■ BR-7M 3P surge arrester is suitable for TN-C system.

	BR-7M 150 3P	BR-7M 275 3P	BR-7M 320 3P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V
Lightning impulse current (10/350µs)	Iimp	7kA	7kA
Total discharge current (10/350µs)	Itotal	21kA	21kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	Imax	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV
Specific energy	W/R	12.25kJ/Ω	12.25kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	175V/5sec.	335V/5sec.
Temporary overvoltage TOV-safe failure	U _T	250V/120min.	440V/120min.
Max. backup fuse		125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns
Operating temperature range	T _u	-40°C–80°C	-40°C–80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on		35mm Din rail	
Enclosure material		Thermoplastic UL94-V0	
Degree of protection		IP20	IP20
Order Code		B17306	B17310
Order Code (With remote signaling)		B17307	B17311

BR-7M 2P

T1+T2 Surge Arrester

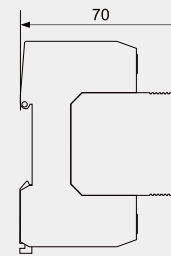
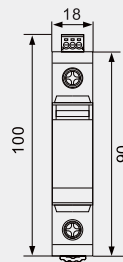
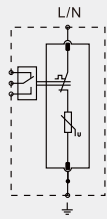


- BR-7M 2P surge arrester is suitable for single phase TN system.

		BR-7M 150 2P	BR-7M 275 2P	BR-7M 320 2P
SPD classification according to EN61643-11		Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11		Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V	320V
Lightning impulse current (10/350µs)	Iimp	7kA	7kA	7kA
Total discharge current (10/350µs)	Itotal	14kA	14kA	14kA
Nominal discharge current (8/20µs)	In	25kA	25kA	25kA
Max. discharge current (8/20µs)	I _{max}	60kA	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV	≤1.5kV
Specific energy	W/R	12.25kJ/Ω	12.25kJ/Ω	12.25kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure	U _T	250V/120min.	440V/120min.	550V/120min.
Max. backup fuse		125A gG	125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns	≤25ns
Operating temperature range	T _u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail		
Enclosure material		Thermoplastic UL94-V0		
Degree of protection		IP20	IP20	IP20
Order Code		B17312	B17314	B17316
Order Code (With remote signaling)		B17313	B17315	B17317

BR-7M 1P

T1+T2 Surge Arrester

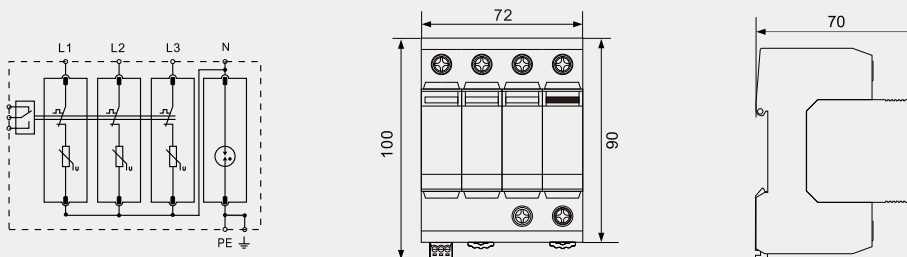
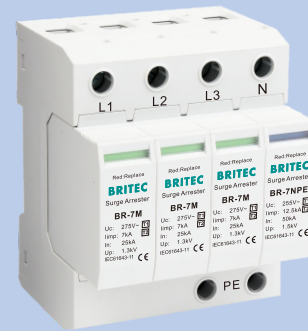


BR-7M 1P can be used to build 2P, 3P and 4P surge arresters.

	BR-7M 150 1P	BR-7M 275 1P	BR-7M 320 1P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	Uc	150V	275V
Lightning impulse current (10/350µs)	Iimp	7kA	7kA
Nominal discharge current (8/20µs)	In	25kA	25kA
Max. discharge current (8/20µs)	I _{max}	60kA	60kA
Voltage protection level	Up	≤0.8kV	≤1.3kV
Specific energy	W/R	12.25kJ/Ω	12.25kJ/Ω
Short circuit withstand capacity	I _{SCCR}	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	175V/5sec.	335V/5sec.
Temporary overvoltage TOV-safe failure	U _T	250V/120min.	440V/120min.
Max. backup fuse		125A gG	125A gG
Leakage current	I _{PE}	<0.1mA	<0.1mA
Response time	t _A	≤25ns	≤25ns
Operating temperature range	T _u	-40°C–80°C	-40°C–80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B17318	B17320	B17322
Order Code (With remote signaling)	B17319	B17321	B17323

BR-7M 3+1

T1+T2 Surge Arrester

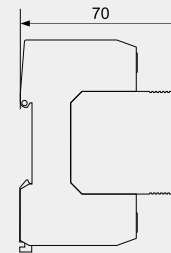
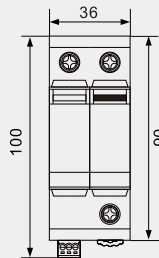
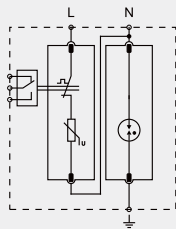


■ BR-7M 3+1 surge arrester is suitable for TT system.

	BR-7M 150 3+1	BR-7M 275 3+1	BR-7M 320 3+1
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V
Lightning impulse current (10/350 μ s) (L-N/N-PE) I_{imp}	7kA/12.5kA	7kA/12.5kA	7kA/12.5kA
Total discharge current (10/350 μ s) I_{total}	25kA	25kA	25kA
Nominal discharge current (8/20 μ s) (L-N/N-PE) I_n	25kA/50kA	25kA/50kA	25kA/50kA
Max. discharge current (8/20 μ s) (L-N/N-PE) I_{max}	60kA/100kA	60kA/100kA	60kA/100kA
Voltage protection level (L-N/N-PE) U_p	$\leq 0.8kV/\leq 1.5kV$	$\leq 1.3kV/\leq 1.5kV$	$\leq 1.5kV/\leq 1.5kV$
Voltage protection level 5kA (L-N/N-PE) U_p	$\leq 0.6kV/\leq 1.5kV$	$\leq 1kV/\leq 1.5kV$	$\leq 1.2kV/\leq 1.5kV$
Max. backup fuse	125A gG	125A gG	125A gG
Specific energy (L-N/N-PE) W/R	12.25kJ/ Ω /39kJ/ Ω	12.25kJ/ Ω /39kJ/ Ω	12.25kJ/ Ω /39kJ/ Ω
Short circuit withstand capacity I_{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand (L-N) U_T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure (L-N) U_T	250V/120min.	440V/120min.	550V/120min.
Temporary overvoltage TOV-withstand (N-PE) U_T	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current I_{PE}	<0.1mA	<0.1mA	<0.1mA
Response time (L-N/N-PE) t_A	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$
Operating temperature range T_u	-40 $^{\circ}C$ -80 $^{\circ}C$	-40 $^{\circ}C$ -80 $^{\circ}C$	-40 $^{\circ}C$ -80 $^{\circ}C$
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B17324	B17326	B17328
Order Code (With remote signaling)	B17325	B17327	B17329

BR-7M 1+1

T1+T2 Surge Arrester



BR-7M 1+1 surge arrester is suitable for TN-S system.

	BR-7M 150 1+1	BR-7M 275 1+1	BR-7M 320 1+1
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V
Lightning impulse current (10/350 μ s) (L-N/N-PE) I_{imp}	7kA/12.5kA	7kA/12.5kA	7kA/12.5kA
Total discharge current (10/350 μ s) I_{total}	14kA	14kA	14kA
Nominal discharge current (8/20 μ s) (L-N/N-PE) I_n	25kA/50kA	25kA/50kA	25kA/50kA
Max. discharge current (8/20 μ s) (L-N/N-PE) I_{max}	60kA/100kA	60kA/100kA	60kA/100kA
Voltage protection level (L-N/N-PE) U_p	$\leq 0.8kV/\leq 1.5kV$	$\leq 1.3kV/\leq 1.5kV$	$\leq 1.5kV/\leq 1.5kV$
Voltage protection level 5kA (L-N/N-PE) U_p	$\leq 0.6kV/\leq 1.5kV$	$\leq 1kV/\leq 1.5kV$	$\leq 1.2kV/\leq 1.5kV$
Max. backup fuse	125A gG	125A gG	125A gG
Specific energy (L-N/N-PE) W/R	12.25kJ/ Ω /39kJ/ Ω	12.25kJ/ Ω /39kJ/ Ω	12.25kJ/ Ω /39kJ/ Ω
Short circuit withstand capacity I_{SCCR}	25kA	25kA	25kA
Temporary overvoltage TOV-withstand (L-N) U_T	175V/5sec.	335V/5sec.	350V/5sec.
Temporary overvoltage TOV-safe failure (L-N) U_T	250V/120min.	440V/120min.	550V/120min.
Temporary overvoltage TOV-withstand (N-PE) U_T	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current I_{PE}	<0.1mA	<0.1mA	<0.1mA
Response time (L-N/N-PE) t_A	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$	$\leq 25ns/\leq 100ns$
Operating temperature range T_u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermoplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B17330	B17332	B17334
Order Code (With remote signaling)	B17331	B17333	B17335