



SURGE PROTECTION DEVICE FOR POWER SUPPLY SYSTEMS

Type 1+2+3 Lightning Current Surge Arrester



BlitzTrap® Modular Products Range Protector

NEW Products and Updates

"Full Protection Mode"

Achieve multiple line full protection mode. (All wires: Phase line to Neutral line, Phase line to Ground, Neutral line to Ground). Apply to sensitive electronic equipment to avoid the impact transient overvoltage.

limp 6.25kA (10/350µs)

BT 5L BM 415 RM
Art.-No. 840 202
UN(L-N) 240V
Itotal 25kA
limp 6.25kA
Uc 280V
Up ≤ 1.2kV



NEW →

T1 T2 T3

Three-phase Surge Arrester with Remote Signal Contact

limp 6.25kA (10/350µs)

BT 3L BM 240 RM
Art.-No. 840 242
UN(L-N) 240V
Itotal 12.5kA
limp 6.25kA
Uc 280V
Up ≤ 1.2kV



NEW →

T1 T2 T3

Single-phase Surge Arrester with Remote Signal Contact

Imax 40kA (8/20µs)

BT 5L 415 RM
Art.-No. 840 200
UN(L-N) 240V
In 20kA
Imax 40kA
Uc 280V
Up ≤ 1.2kV



NEW →

T2 T3

Three-phase Surge Arrester with Remote Signal Contact

Imax 40kA (8/20µs)

BT 3L 240 RM
Art.-No. 840 240
UN(L-N) 240V
In 20kA
Imax 40kA
Uc 280V
Up ≤ 1.2kV



NEW →

T2 T3

Single-phase Surge Arrester with Remote Signal Contact

AC System

Single-pole Module

limp 50kA (10/350µs)

NEW

L-N(PE)
BT BCM 50 RM
Art.-No. 801 011
2 mods (36mm)
limp 50kA
In 50kA
Uc 255V
Up ≤ 1.8kV

T1 T2

N-PE
BT BNM 100
Art.-No. 801 021
2 mods (36mm)
limp 100kA
In 100kA
Uc 255V
Up ≤ 1.5kV

T1

limp 30kA (10/350µs)

NEW

L-N(PE)
BT BCM30 275 RM
Art.-No. 807 302
2 mods (36mm)
limp 30kA
In 60kA
Uc 275V
Up ≤ 1.8kV

T1 T2

N-PE
BT BNM100 255
Art.-No. 806 100
2 mods (36mm)
limp 100kA
In 100kA
Uc 255V
Up ≤ 1.5kV

T1

limp 25kA (10/350µs)

L-N(PE)
BT P BCM 25 RM
Art.-No. 800 901
2 mods (36mm)
limp 25kA
In 50kA
Uc 255V
Up ≤ 1.5kV

T1 T2

N-PE
BT P BNM 75 RM
Art.-No. 800 902
2 mods (36mm)
limp 50kA
In 50kA
Uc 255V
Up ≤ 1.5kV

T1

limp 15kA (10/350µs)

L-N(PE)
BT P BCM 275 RM/S
Art.-No. 801 107
1 mod (18mm)
limp 15kA
In 40kA
Uc 275V
Up ≤ 1.5kV

T1 T2

N-PE
BT P BCM 255 RM/S
Art.-No. 801 120
1 mod (18mm)
limp 37.5kA
In 50kA
Uc 255V
Up ≤ 1.5kV

T1

limp 12.5kA (10/350µs)

L-N(PE)
BT P BCM12.5 275 RM
Art.-No. 801 406
1 mod (18mm)
limp 12.5kA
In 30kA
Uc 320V
Up ≤ 1.8kV

T1 T2

N-PE
BT P BCM25 255 RM
Art.-No. 801 400
1 mod (18mm)
limp 37.5kA
In 50kA
Uc 255V
Up ≤ 1.5kV

T1

limp 8kA (10/350µs)

L-N(PE)
BT P BCM 275 RM
Art.-No. 801 100
1 mod (18mm)
limp 8kA
In 25kA
Uc 275V
Up ≤ 1.5kV

T1 T2

N-PE
BT P BCM 255 RM
Art.-No. 801 101
1 mod (18mm)
limp 20kA
In 40kA
Uc 255V
Up ≤ 1.5kV

T1

Main Distribution

Combined Lightning Current Surge Protective Devices

TN System

BT BCM 50 RM/2P
Art.-No. 801 012
Single-phase SPD
4 mods (72mm)
Itotal 100kA
Uc 255V
Up ≤ 1.8kV

TN-C System

BT BCM 50 RM/3P
Art.-No. 801 013
Three-phase SPD
6 mods (108mm)
Itotal 150kA
Uc 255V
Up ≤ 1.8kV

TN-S System

BT BCM 50 RM/4P
Art.-No. 801 014
Three-phase SPD
8 mods (144mm)
Itotal 200kA
Uc 255V
Up ≤ 1.8kV

TTI+1 System

BT BCM 50 RM/1+N
Art.-No. 801 015
Single-phase SPD
4 mods (72mm)
Itotal 100kA
Uc 255V/255V
Up ≤ 1.8kV/≤ 1.5kV

TT3+1 System

BT BCM 50 RM/3+N
Art.-No. 801 016
Three-phase SPD
8 mods (144mm)
Itotal 200kA
Uc 255V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT BCM30 275 RM/2P
Art.-No. 807 322
Single-phase SPD
4 mods (72mm)
Itotal 60kA
Uc 275V
Up ≤ 1.8kV

BT BCM30 275 RM/3P
Art.-No. 807 352
Three-phase SPD
6 mods (108mm)
Itotal 90kA
Uc 275V
Up ≤ 1.8kV

BT BCM30 275 RM/4P
Art.-No. 807 342
Three-phase SPD
8 mods (144mm)
Itotal 120kA
Uc 275V
Up ≤ 1.8kV

BT BCM30 275 RM/1+N
Art.-No. 807 312
Single-phase SPD
4 mods (72mm)
Itotal 60kA
Uc 275V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT BCM30 275 RM/3+N
Art.-No. 807 332
Three-phase SPD
8 mods (144mm)
Itotal 120kA
Uc 275V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT P BCM 25 RM/2P
Art.-No. 800 916
Single-phase SPD
4 mods (72mm)
Itotal 50kA
Uc 255V
Up ≤ 1.5kV

BT P BCM 25 RM/3P
Art.-No. 800 913
Three-phase SPD
6 mods (108mm)
Itotal 75kA
Uc 255V
Up ≤ 1.5kV

BT P BCM 25 RM/4P
Art.-No. 800 914
Three-phase SPD
8 mods (144mm)
Itotal 100kA
Uc 255V
Up ≤ 1.5kV

BT P BCM 25 RM/1+N
Art.-No. 800 917
Single-phase SPD
4 mods (72mm)
Itotal 50kA
Uc 255V/255V
Up ≤ 1.5kV/≤ 1.5kV

BT P BCM 25 RM/3+N
Art.-No. 800 915
Three-phase SPD
8 mods (144mm)
Itotal 100kA
Uc 255V/255V
Up ≤ 1.5kV/≤ 1.5kV

BT P BCM 2P 275 RM/S
Art.-No. 801 109
Single-phase SPD
2 mods (36mm)
Itotal 30kA
Uc 255V
Up ≤ 1.5kV

BT P BCM 3P 275 RM/S
Art.-No. 801 110
Three-phase SPD
3 mods (54mm)
Itotal 45kA
Uc 255V
Up ≤ 1.5kV

BT P BCM 4P 275 RM/S
Art.-No. 801 116
Three-phase SPD
4 mods (72mm)
Itotal 60kA
Uc 255V
Up ≤ 1.5kV

BT P BCM TTI+1 275 RM/S
Art.-No. 801 108
Single-phase SPD
2 mods (36mm)
Itotal 30kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV

BT P BCM TT 275 RM/S
Art.-No. 801 117
Three-phase SPD
4 mods (72mm)
Itotal 60kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV

This series of TN/TNC/TNS/TT system products are TÜV certified.

L-N(PE)
BT P BCM12.5 275 RM/2P
Art.-No. 801 412
Single-phase SPD
2 mods (36mm)
Itotal 30kA
Uc 320V
Up ≤ 1.8kV

N-PE
BT P BCM12.5 275 RM/3P
Art.-No. 801 417
Three-phase SPD
3 mods (54mm)
Itotal 37.5kA
Uc 320V
Up ≤ 1.8kV

BT P BCM12.5 275 RM/4P
Art.-No. 801 422
Three-phase SPD
4 mods (72mm)
Itotal 50kA
Uc 320V
Up ≤ 1.8kV

BT P BCM12.5 275 RM/1+N
Art.-No. 801 427
Single-phase SPD
2 mods (36mm)
Itotal 30kA
Uc 320V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT P BCM12.5 275 RM/3+N
Art.-No. 801 432
Three-phase SPD
4 mods (72mm)
Itotal 50kA
Uc 320V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT P BCM 275 RM/2P
Art.-No. 801 102
Single-phase SPD
2 mods (36mm)
Itotal 16kA
Uc 275V
Up ≤ 1.5kV

BT P BCM 275 RM/3P
Art.-No. 801 103
Three-phase SPD
3 mods (54mm)
Itotal 32kA
Uc 275V
Up ≤ 1.5kV

BT P BCM 275 RM/4P
Art.-No. 801 104
Three-phase SPD
4 mods (72mm)
Itotal 42kA
Uc 275V
Up ≤ 1.5kV

BT P BCM 275 RM/1+N
Art.-No. 801 106
Single-phase SPD
2 mods (36mm)
Itotal 16kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV

BT P BCM 275 RM/3+N
Art.-No. 801 105
Three-phase SPD
4 mods (72mm)
Itotal 32kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV



SURGE PROTECTION DEVICE FOR POWER SUPPLY SYSTEMS

Type 1-2 / Type 2 High Discharge Capacity Surge Arrester



BlitzTrap® Modular Products Range Protector

AC System

Single-pole Module

Imax 200kA (8/20µs)

NEW

L-N(PE)
BT BM200 275 RM
Art.-No. 806 103
2 mods (36mm)
In 100kA
Imax 200kA
Uc 275V
Up ≤ 2.5kV

N-PE
BT BNM 255
Art.-No. 806 000
2 mods (36mm)
In 100kA
Imax 200kA
Uc 255V
Up ≤ 2.5kV

Sub Distribution

Combined Surge Protective Devices

TN System

BT BM200 275 RM/2P
Art.-No. 806 113
Single-phase SPD
4 mods (72mm)
Imax 200kA
Uc 275V
Up ≤ 2.5kV

TN-C System

BT BM 200 275 RM/3P
Art.-No. 806 123
Three-phase SPD
6 mods (108mm)
Imax 200kA
Uc 275V
Up ≤ 2.5kV

TN-S System

BT BM200 275 RM/4P
Art.-No. 806 133
Three-phase SPD
8 mods (144mm)
Imax 200kA
Uc 275V
Up ≤ 2.5kV

TTI+1 System

BT BM200 275 RM/1+N
Art.-No. 806 143
Single-phase SPD
4 mods (72mm)
Imax 200kA/200kA
Uc 275V/255V
Up ≤ 2.5kV/≤ 2.5kV

TT3+1 System

BT BM200 275 RM/3+N
Art.-No. 806 163
Three-phase SPD
8 mods (144mm)
Imax 200kA/200kA
Uc 275V/255V
Up ≤ 2.5kV/≤ 2.5kV

Combined SPD

Mounting Enclosure

Class I/II/III Surge Arrester

BT 5L ... (BT 5L-WF ...)
Surge Protection Box or IP65/waterproof Surge Protection Box (WF) is for combined SPD class I/II/III design configurations, applied in three-phase TN-S (4+0 circuit)/TT (3+1 circuit) system.

BT 4L ... (BT 4L-WF ...)
Surge Protection Box or IP65/waterproof Surge Protection Box (WF) is for combined SPD class I/II/III design configurations, applied in three-phase TN-C (3+0 circuit) system.

BT 3L ... (BT 3L-WF ...)
Surge Protection Box or IP65/waterproof Surge Protection Box (WF) is for combined SPD class I/II/III design configurations, applied in single-phase TN (2+0 circuit)/TT (1+1 circuit) system.



IE KB ... series enclosure

Metal mounting box for indoor used, SPD Max. capacity of 3-13 modules and CCT breaker (MCB) design configurations. Optional installation for impulse Counter function.



IE SP ... series enclosure

Standard indoor mounting box.



IE 1A ... series enclosure

IE 2A ... series enclosure

Metal die-casting aluminum IP65/waterproof mounting box.



IE CB ... series enclosure

IE DB ... series enclosure
Plastic housing/transparent cover IP65/waterproof mounting box.

Imax 120kA (8/350µs)

L-N(PE)
BT PBM120 275 RM
Art.-No. 800 806
2 mods (36mm)
In 80kA
Imax 120kA
Uc 275V
Up ≤ 1.8kV

N-PE
BT PBNM 255 RM
Art.-No. 800 900
2 mod (36mm)
In 80kA
Imax 160kA
Uc 255V
Up ≤ 2.5kV

BT PBM120 275 RM/2P
Art.-No. 800 833
Single-phase SPD
4 mods (72mm)
Imax 120kA
Uc 275V
Up ≤ 1.8kV

BT PBM120 275 RM/3P
Art.-No. 800 821
Three-phase SPD
6 mods (108mm)
Imax 120kA
Uc 275V
Up ≤ 1.8kV

BT PBM120 275 RM/4P
Art.-No. 800 825
Three-phase SPD
8 mods (144mm)
Imax 120kA
Uc 275V
Up ≤ 1.8kV

BT PBM120 275 RM/1+N
Art.-No. 800 837
Single-phase SPD
4 mods (72mm)
Imax 120kA/160kA
Uc 275V/255V
Up ≤ 1.8kV/≤ 1.5kV

BT PBM120 275 RM/3+N
Art.-No. 800 829
Three-phase SPD
8 mods (144mm)
Imax 120kA/160kA
Uc 275V/255V
Up ≤ 1.8kV/≤ 1.5kV

Imax 80kA (8/20µs)

NEW

L-N(PE)
BT PCM80 275 RM
Art.-No. 800 783
1 mod (18mm)
In 40kA
Iimp 80kA
Uc 275V
Up ≤ 1.7kV

N-PE
BT PCM 255 RM S
Art.-No. 810 101
1 mod (18mm)
In 50kA
Imax 100kA
Uc 255V
Up ≤ 1.5kV

BT PCM80 275 RM/2P
Art.-No. 810 771
Single-phase SPD
2 mods (36mm)
Imax 80kA
Uc 275V
Up ≤ 1.7kV

BT PCM80 275 RM/3P
Art.-No. 810 776
Three-phase SPD
3 mods (54mm)
Imax 80kA
Uc 275V
Up ≤ 1.7kV

BT PCM80 275 RM/4P
Art.-No. 810 761
Three-phase SPD
4 mods (72mm)
Imax 80kA
Uc 275V
Up ≤ 1.7kV

BT PCM80 275 RM/1+N
Art.-No. 810 781
Single-phase SPD
2 mods (36mm)
Imax 80kA/100kA
Uc 275V/255V
Up ≤ 1.7kV/≤ 1.5kV

BT PCM80 275 RM/3+N
Art.-No. 810 780
Three-phase SPD
4 mods (72mm)
Imax 80kA/100kA
Uc 275V/255V
Up ≤ 1.7kV/≤ 1.5kV

Imax 60kA (8/20µs)

L-N(PE)
BT PCM60 275 RM
Art.-No. 810 809
1 mod (18mm)
In 30kA
Imax 60kA
Uc 275V
Up ≤ 1.5kV

N-PE
BT PCM 255 RM
Art.-No. 810 800
1 mod (18mm)
In 40kA
Imax 65kA
Uc 255V
Up ≤ 1.5kV

BT PCM60 275 RM/2P
Art.-No. 810 849
Single-phase SPD
2 mods (36mm)
Imax 60kA
Uc 275V
Up ≤ 1.5kV

BT PCM60 275 RM/3P
Art.-No. 810 841
Three-phase SPD
3 mods (54mm)
Imax 60kA
Uc 275V
Up ≤ 1.5kV

BT PCM60 275 RM/4P
Art.-No. 810 837
Three-phase SPD
4 mods (72mm)
Imax 60kA
Uc 275V
Up ≤ 1.5kV

BT PCM60 275 RM/1+N
Art.-No. 810 825
Single-phase SPD
2 mods (36mm)
Imax 60kA/65kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV

BT PCM60 275 RM/3+N
Art.-No. 810 817
Three-phase SPD
4 mods (72mm)
Imax 60kA/65kA
Uc 275V/255V
Up ≤ 1.5kV/≤ 1.5kV

This series of TN/TNC/TNS/TT system products are KEMA-KEUR certified.

Imax 40kA (8/20µs)

L-N(PE)
BT PCM 275 RM
Art.-No. 810 803
1 mod (18mm)
In 20kA
Imax 40kA
Uc 275V
Up ≤ 1.3kV

N-PE
BT PCM 255 RM
Art.-No. 810 800
1 mod (18mm)
In 40kA
Imax 65kA
Uc 255V
Up ≤ 1.8kV

* Also available 75V/150V/320V/385V/460V/600V.

BT PCM TN 275 RM
Art.-No. 810 845
Single-phase SPD
2 mods (36mm)
Imax 40kA
Uc 275V
Up ≤ 1.3kV

BT PCM TNC 275 RM
Art.-No. 810 829
Three-phase SPD
3 mods (54mm)
Imax 40kA
Uc 275V
Up ≤ 1.3kV

BT PCM TNS 275 RM
Art.-No. 810 834
Three-phase SPD
4 mods (72mm)
Imax 40kA
Uc 275V
Up ≤ 1.3kV

BT PCM TTI+1 275 RM
Art.-No. 810 821
Single-phase SPD
2 mods (36mm)
Imax 40kA/65kA
Uc 275V/255V
Up ≤ 1.3kV/≤ 1.8kV

BT PCM TT3+1 275 RM
Art.-No. 810 813
Three-phase SPD
4 mods (72mm)
Imax 40kA/65kA
Uc 275V/255V
Up ≤ 1.3kV/≤ 1.8kV

Imax 20kA (8/20µs)

L-N(PE)
BT PCM20 275 RM
Art.-No. 810 853
1 mod (18mm)
In 10kA
Imax 20kA
Uc 275V
Up ≤ 1.2kV

N-PE
BT PCM20 255 RM
Art.-No. 810 880
1 mod (18mm)
In 20kA
Imax 40kA
Uc 255V
Up ≤ 1.5kV

BT PCM20 275 RM/2P
Art.-No. 810 873
Single-phase SPD
2 mods (36mm)
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT PCM20 275 RM/3P
Art.-No. 810 865
Three-phase SPD
3 mods (54mm)
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT PCM20 275 RM/4P
Art.-No. 810 861
Three-phase SPD
4 mods (72mm)
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT PCM20 275 RM/1+N
Art.-No. 810 869
Single-phase SPD
2 mods (36mm)
Imax 20kA/40kA
Uc 275V/255V
Up ≤ 1.2kV/≤ 1.5kV

BT PCM20 275 RM/3+N
Art.-No. 810 857
Three-phase SPD
4 mods (72mm)
Imax 20kA/40kA
Uc 275V/255V
Up ≤ 1.8kV/≤ 1.5kV



SURGE PROTECTION DEVICE FOR POWER SUPPLY SYSTEMS

Type 2-3/Type 3 Electronic Equipment Surge Arrester

Terminal Protection

Fine Protection for Electronic Devices System

Imax 20kA (8/20µs) or 40kA (8/20µs)

Pluggable modules, Slim 18mm form factor/36mm (2 modules) with Remote Signal Contact



NEW
T2 T3

BT PCM20 275 RM/2P-1
Art.-No. 870 124
Single-phase SPD
1 mod (18mm)
Imax 20kA
Uc 275V
Up ≤ 1.0kV



NEW
T2 T3

BT PCM20 TT 275 RM-1
Art.-No. 870 154
Three-phase SPD
2 mods (36mm)
Imax 20kA/40kA
Uc 255V/255V
Up ≤ 1.0kV/≤ 1.5kV

Imax 10kA (8/20µs)

Single-phase 1.5 modules/three-phase 3 modules with Remote Signal Contact



T3

BT TTI+1 275 RM
Art.-No. 812 230
Single-phase SPD
1.5 mods (27mm)
Itotal 10kA
Imax 5/10kA
Uc 275V/255V
Up ≤ 0.95kV/≤ 1.5kV



T3

BT TT 275 3N RM
Art.-No. 812 330
Three-phase SPD
3 mods (54mm)
Itotal 20kA
Imax 5/10kA
Uc 275V/255V
Up ≤ 0.95kV/≤ 1.5kV

Plug-in & Protect

Simple plug in and go SPD, no complicated installation, with two LED indicators for Surge Protection and Grounding connection status.



Imax 20kA (8/20µs)

Imax 40kA (8/20µs)

NEW

NEW

BT PST10 120(230) L
Art.-No. 840 711
Imax 20kA
Uc 150V(275V)
Up ≤ 1.2kV(1.5kV)

BT PST20 120(230) H
Art.-No. 840 713
Imax 40kA
Uc 150V(275V)
Up ≤ 1.5kV(1.7kV)

NEW
Gbits/s Network
BS TVSS/G5... (G48...)
(System: Power AC 230V
Data network DC 5-48V)
(2-4-ch RJ45 sockets)
Network protector by RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines, and ac 230V power supply plug input protected.

Surge Protective for Multiple Socket outlet

(Provided standard plug/socket for different configuration)

Simple plug in and go SPD, no complicated installation, with two LED indicators for Surge Protection and Grounding connection status.

Optional with filter function (...SF), and 19" mounting bracket



Imax 20kA (8/20µs)

NEW

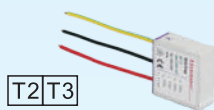
NEW

BT PST10 6SF
Art.-No. 830 610
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT PST10 7S
Art.-No. 830 611
Imax 20kA
Uc 275V
Up ≤ 1.2kV

Imax 20kA (8/20µs)

Fine protection of LED light devices, for all installation systems.



T2 T3



T2 T3

3-lines for Parallel Wiring

6-lines for Series Wiring

BT D 275 LED LP
Art.-No. 820 621
Single-phase SPD
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT D 320 LED LP
Art.-No. 820 631
Single-phase SPD
Imax 20kA
Uc 325V
Up ≤ 1.5kV

BT D 275 LED LS
Art.-No. 820 623
Single-phase SPD
Imax 20kA
Uc 275V
Up ≤ 1.2kV

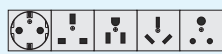
BT D 320 LED LS
Art.-No. 820 633
Single-phase SPD
Imax 20kA
Uc 320V
Up ≤ 1.5kV

Imax 20kA (8/20µs)

Simple plug in and go SPD, no complicated installation with two LED indicators for Surge Protection and Grounding connection status.



Surge Protected Power Sockets
Optional with filter function (...SF) and 45 angle mounting bracket



NEW

BT PST-UK10 2SF
Art.-No. 830 601
Imax 20kA
Uc 275V
Up ≤ 1.2kV

BT PST-UK10 2S
Art.-No. 830 602
Imax 20kA
Uc 275V
Up ≤ 1.2kV

Imax 5kA (8/20µs)

Single-phase 1.5 modules/three-phase 3 modules with Remote Signal Contact



T3

BT D 230 RM
Art.-No. 820 300
Single-phase SPD
1.5 mods (27mm)
In 3/5kA
Uoc 6/10kV
Uc 320V
Up ≤ 1.15kV/≤ 1.5kV

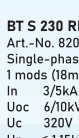


T3

BT D 230 3N RM
Art.-No. 820 330
Three-phase SPD
3 mods (54mm)
In 3/5kA
Uoc 6/10kV
Uc 320V/440V
Up ≤ 1.15kV/≤ 1.5kV

Imax 5kA (8/20µs)

Single-phase 1 module (with fault light indicates) "Y-circuit design"



T3

BT S 230 RM
Art.-No. 820 400
Single-phase SPD
1 mods (18mm)
In 3/5kA
Uoc 6/10kV
Uc 320V
Up ≤ 1.15kV/≤ 1.5kV



BT E 230
Art.-No. 830 230
Single-phase SPD
In 3/5kA
Uoc 6/10kV
Uc 320V
Up ≤ 1.15kV/≤ 1.5kV



T3

(Series Capacitance)
BT E 230-C Art.-No. 830 231

Imax 5kA (8/20µs)

Surge Protective for Multiple Socket outlet (Provided standard plug/socket for different configuration) Can be installed in 19" distribution cabinet



T3

BT PDU 05
Art.-No. 830 246
Single-phase SPD
In 3/5kA
Uoc 6/10kV
Uc 320V
Up ≤ 1.15kV/≤ 1.5kV



T3

BT PDU 06
Art.-No. 830 240
Single-phase SPD
In 3/5kA
Uoc 6/10kV
Uc 320V
Up ≤ 1.15kV/≤ 1.5kV

Compact design:
A variety of standard power plug can be provided for different configuration.



Imax 5kA (8/20µs)

8-Sockets PDU system

NEW

T3



BT PDU 08
Art.-No. 830 248
Single-phase SPD
length: 489mm

12-Sockets PDU system

NEW

T3



BT PDU 12
Art.-No. 830 249
Single-phase SPD
length: 652mm

Compact design:
A variety of standard power plug can be provided for different configuration.



BlitzTrap® Modular Products Range Protector

PCB

Protection Modules

limp 12.5kA (10/350µs)
with Remote Signal Contact

NEW

BT PCB BCM12.5 275 RM
Art.-No. 814 012
1 mod (18mm)
limp 12.5kA
In 30kA
Uc 320V
Up ≤ 1.8kV



T1 T2

limp 8kA (10/350µs)
with Remote Signal Contact

NEW

BT PCB BCM6.25 275 RM
Art.-No. 814 002
1 mod (18mm)
limp 8kA
In 25kA
Uc 275V
Up ≤ 1.5kV



T1 T2

Imax 80kA (8/20µs)
with Remote Signal Contact

NEW

BT PCB CM80 275 RM
Art.-No. 814 052
1 mod (18mm)
In 40kA
Imax 80kA
Uc 275V
Up ≤ 1.8kV



T2

Imax 40kA (8/20µs)
with Remote Signal Contact

NEW

BT PCB CM40 275 RM
Art.-No. 814 032
1 mod (18mm)
In 20kA
Imax 40kA
Uc 275V
Up ≤ 1.5kV



T2

Imax 20kA (8/20µs)
with Remote Signal Contact

NEW

BT PCB CM20 275 RM
Art.-No. 814 022
1 mod (18mm)
In 10kA
Imax 20kA
Uc 275V
Up ≤ 1.2kV



T2



IE JC-4 ... series enclosure
Plastic housing/transparent cover
IP65/waterproof mounting box
for installation plug-in SPD protection module. Max. capacity of 4 modules for TN, TN-C, TN-S and TT 1+1 or TT 3+1 various design configurations.



Surge Protection Device For Power Supply Systems

Type 1-2 / Type 2-3 DC Applications Surge Arresters

DC Terminal Protection

DC Power Supply System Surge Protective Devices



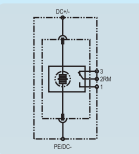
BlitzTrap® Modular Products Range Protector

limp 25kA (10/350µs)



NEW

Single-pole GDT 25kA
Lightning Current Class I+II DC Surge Arrester



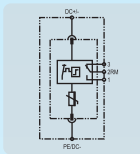
BT P BDCM25 48 RM Art.-No. 802 048 Single-pole SPD 2 mods (36mm) limp 25kA In 25kA Uc 60VDC Up ≤1.5kV	BT P BDCM25 200 RM Art.-No. 802 049 Single-pole SPD 2 mods (36mm) limp 25kA In 25kA Uc 220VDC Up ≤1.5kV	BT P BDCM25 220 RM Art.-No. 802 050 Single-pole SPD 2 mods (36mm) limp 25kA In 25kA Uc 242VDC Up ≤1.5kV
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Imax 40kA (8/20µs)



NEW

Single-pole MOV Voltage Max. up to DC 900V
DC Circuit System Class II DC Surge Arrester



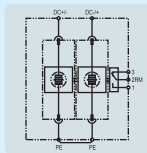
BT P DCH 48 RM Art.-No. 811 025 Single-pole SPD 2 mods (36mm) In 20kA Imax 40kA Uc 60VDC Up ≤0.5kV	BT P DCH 220 RM Art.-No. 811 026 Single-pole SPD 2 mods (36mm) In 20kA Imax 40kA Uc 242VDC Up ≤1.5kV	BT P DCH 500 RM Art.-No. 811 027 Single-pole SPD 2 mods (36mm) In 20kA Imax 40kA Uc 550VDC Up ≤2.5kV	BT P DCH 750 RM Art.-No. 811 028 Single-pole SPD 2 mods (36mm) In 20kA Imax 40kA Uc 900VDC Up ≤3.5kV
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limp 25kA (10/350µs) / 2P Configuration



NEW

Combined 2+0 circuit (DC+ → PE/DC- → PE)
Lightning Current Class I+II DC Surge Arrester



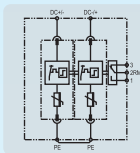
BT P BDCM25 48 RM/2P Art.-No. 802 044 Two-pole SPD 4 mods (72mm) limp 25kA In 25kA Uc 60VDC Up ≤1.5kV	BT P BDCM 200 RM/2P Art.-No. 802 045 Two-pole SPD 4 mods (72mm) limp 25kA In 25kA Uc 220VDC Up ≤1.5kV	BT P BDCM 220 RM/2P Art.-No. 802 046 Two-pole SPD 4 mods (72mm) limp 25kA In 25kA Uc 242VDC Up ≤1.5kV
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Imax 40kA (8/20µs) / 2P Configuration



NEW

Combined 2+0 circuit (DC+ → PE/DC- → PE)
DC Circuit System Class II DC Surge Arrester



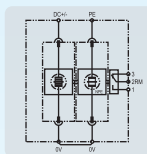
BT P DCH 48 RM/2P Art.-No. 811 020 Two-pole SPD 4 mods (72mm) In 20kA Imax 40kA Uc 60VDC Up ≤0.5kV	BT P DCH 220 RM/2P Art.-No. 811 021 Two-pole SPD 4 mods (72mm) In 20kA Imax 40kA Uc 242VDC Up ≤1.5kV	BT P DCH 500 RM/2P Art.-No. 811 022 Two-pole SPD 4 mods (72mm) In 20kA Imax 40kA Uc 550VDC Up ≤2.5kV	BT P DCH 750 RM/2P Art.-No. 811 023 Two-pole SPD 4 mods (72mm) In 20kA Imax 40kA Uc 900VDC Up ≤3.5kV
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limp 25kA (10/350µs) / 1+1 Configuration



NEW

Combined 1+1 circuit GDT 25kA
(DC+/- → 0V Module)+(0V → PE Module)
Lightning Current Class I+II DC Surge Arrester



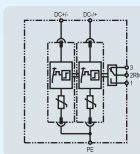
BT P BDC25 48 RM/1+1 Art.-No. 802 060 Two-pole SPD limp 25kA/25kA In 25kA/50kA Uc 60VDC Up ≤1.5kV/≤1.5kV	GDT Technology Protection Module: BT P BDC25 48 RM + BT P BDC25 48 PE RM Art.-No. 802 048 + 802 059 Combined lightning current arrester for dc power supply applications from 12 - 60 Volts (1+1 circuit).
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Imax 40kA (8/20µs) / 2P Configuration



NEW

Combined 2+0 circuit (DC+ → PE/DC- → PE)
Devices Terminal Class II DC Surge Arrester



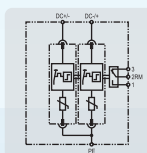
BT P DCM 24 RM/2P Art.-No. 811 014 Two-pole SPD In 10kA Imax 20kA Uc 56VDC Up ≤0.3kV	BT P DCM 48 RM/2P Art.-No. 811 015 Two-pole SPD In 15kA Imax 30kA Uc 85VDC Up ≤0.4kV	BT P DCM 110 RM/2P Art.-No. 811 016 Two-pole SPD In 20kA Imax 40kA Uc 180VDC Up ≤1.0kV	BT P DCM 220 RM/2P Art.-No. 811 017 Two-pole SPD In 20kA Imax 40kA Uc 320VDC Up ≤1.5kV
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limp 6.25kA (10/350µs) / 2P Configuration



NEW

Combined 2+0 circuit (DC+ → PE / DC- → PE)
Lightning Current Class I+II DC Surge Arrester



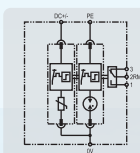
BT P BDCM 24 RM/2P Art.-No. 804 024 Two-pole SPD limp 6.25kA In 20kA Uc 56VDC Up ≤0.3kV	BT P BDCM 48 RM/2P Art.-No. 804 025 Two-pole SPD limp 6.25kA In 20kA Uc 85VDC Up ≤0.4kV	BT P BDCM 110 RM/2P Art.-No. 804 026 Two-pole SPD limp 6.25kA In 20kA Uc 180VDC Up ≤1.0kV	BT P BDCM 220 RM/2P Art.-No. 804 028 Two-pole SPD limp 6.25kA In 20kA Uc 320VDC Up ≤1.5kV
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Imax 40kA (8/20µs) / 1+1 Configuration



NEW

Combined 1+1 circuit MOV-GDT
(DC+/- → 0V Module)+(0V → PE Module)
Devices Terminal Class II DC Surge Arrester



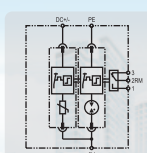
BT P DCM 24 RM Art.-No. 811 004 Two-pole SPD In 10kA/20kA Imax 20kA/40kA Uc 56VDC Up ≤0.3kV/≤0.4kV	BT P DCM 48 RM Art.-No. 811 005 Two-pole SPD In 15kA/25kA Imax 30kA/50kA Uc 85VDC Up ≤0.4kV/≤0.4kV	BT P DCM 110 RM Art.-No. 811 006 Two-pole SPD In 20kA/20kA Imax 40kA/40kA Uc 180VDC Up ≤1.0kV/≤1.0kV	BT P DCM 220 RM Art.-No. 811 007 Two-pole SPD In 20kA/20kA Imax 40kA/40kA Uc 320VDC Up ≤1.5kV/≤1.5kV
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limp 6.25kA (10/350µs) / 1+1 Configuration



NEW

Combined 1+1 circuit MOV-GDT
(DC+/- → 0V Module)+(0V → PE Module)
Lightning Current Class I+II DC Surge Arrester



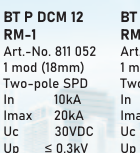
BT P BDCM 24 RM Art.-No. 804 004 Two-pole SPD limp 6.25kA/20kA In 20kA/40kA Uc 56VDC Up ≤0.3kV/≤0.4kV	BT P BDCM 48 RM Art.-No. 804 005 Two-pole SPD limp 6.25kA/20kA In 20kA/40kA Uc 85VDC Up ≤0.4kV/≤0.4kV	BT P BDCM 110 RM Art.-No. 804 006 Two-pole SPD limp 6.25kA/20kA In 20kA/40kA Uc 180VDC Up ≤1.0kV/≤1.0kV	BT P BDCM 220 RM Art.-No. 804 008 Two-pole SPD limp 6.25kA/20kA In 20kA/40kA Uc 320VDC Up ≤1.5kV/≤1.5kV
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Imax 40kA (8/20µs) / 2P-1 or 1+1 Configuration (1 module)



NEW

Combined 2+0 circuit (DC+ → PE / DC- → PE)
Devices Terminal Class II DC Surge Arrester



BT P DCM 12 RM-1 Art.-No. 811 052 1 mod (18mm) Two-pole SPD In 10kA Imax 20kA Uc 30VDC Up ≤0.3kV	BT P DCM 24 RM-1 Art.-No. 811 054 1 mod (18mm) Two-pole SPD In 10kA Imax 20kA Uc 35VDC Up ≤0.3kV	BT P DCM 48 RM-1 Art.-No. 811 055 1 mod (18mm) Two-pole SPD In 15kA Imax 30kA Uc 60VDC Up ≤0.4kV	BT P DCM 60 RM-1 Art.-No. 811 053 1 mod (18mm) Two-pole SPD In 15kA Imax 30kA Uc 75VDC Up ≤0.4kV	BT P DCM 110 RM-1 Art.-No. 811 057 1 mod (18mm) Two-pole SPD In 20kA Imax 40kA Uc 130VDC Up ≤1.0kV	BT P DCM 220 RM-1 Art.-No. 811 056 1 mod (18mm) Two-pole SPD In 20kA Imax 40kA Uc 275VDC Up ≤1.5kV
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Surge Protection Device For Power Supply Systems

Type 1 / Type 2 High Voltage Discharge Capacity Surge Arresters



BlitzTrap® Modular Products Range Protector

Photovoltaic System

DC System Surge Protective Devices

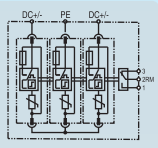
limp 8kA (10/350µs)



T1
T2

NEW

PV Class I+II Surge Arrester "Y-circuit"
Max. PV voltage up to 600V/1000V
with three-step d.c. switching devices



BT B PVM 600 RM
(Y-circuit 3P Combined)
Art.-No. 800 556
3 mods (54mm)
Uc-PV 600VDC
limp 8kA
In 20kA
Uc-MOV 300V
Up ≤ 2.5kV

BT B PVM 1000 RM
(Y-circuit 3P Combined)
Art.-No. 800 557
3 mods (54mm)
Uc-PV 1000VDC
limp 6.25kA
In 20kA
Uc-MOV 500V
Up ≤ 4.0kV

Wind Turbine System

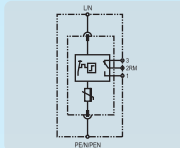
AC System Surge Protective Devices

Imax 40kA (8/20µs)



T2

AC 600V Wind Turbine System Single-pole Module Class II AC Surge Arrester
With a rated varistor up to AC 750V



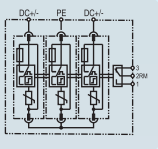
BT WSM 750 RM
Art.-No. 800 517
Single-phase SPD
3 mods (54mm)
Un 600V
In 15kA
Imax 40kA
Uc-MOV 750V
Up ≤ 3.0kV

Imax 40kA (8/20µs)



T2

PV Class II Surge Arrester "Y-circuit"
Max. PV voltage up to 150V/600V/1000V/1200V/1500V
with three-step d.c. switching devices



BT Y PVM 150 RM
Art.-No. 800 505
3 mods (54mm)
Uc-PV 150VDC
In 20kA
Imax 40kA
Uc-MOV 75V
Up ≤ 0.8kV

BT Y PVM 600 RM
Art.-No. 800 506
3 mods (54mm)
Uc-PV 600VDC
In 20kA
Imax 40kA
Uc-MOV 300V
Up ≤ 2.5kV

BT Y PVM 1000 RM
Art.-No. 800 507
3 mods (54mm)
Uc-PV 1000VDC
In 20kA
Imax 40kA
Uc-MOV 500V
Up ≤ 4.0kV

BT Y PVM 1200 RM
Art.-No. 800 509
3 mods (54mm)
Uc-PV 1200VDC
In 20kA
Imax 40kA
Uc-MOV 600V
Up ≤ 4.5kV

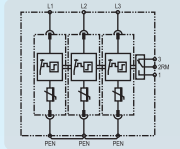
BT Y PVM 1500 RM
Art.-No. 800 508
3 mods (54mm)
Uc-PV 1500VDC
In 20kA
Imax 40kA
Uc-MOV 750V
Up ≤ 6.0kV

Imax 40kA (8/20µs)



T2

AC 600V Wind Turbine System Three-phase Combined Class II AC Surge Arrester
With three rated varistors U_{mov} up to AC 750V



BT WSM 750 RM/3P
Art.-No. 800 518
Three-phase SPD
4 mods (72mm)
Un 600V
In 15kA
Imax 40kA
Uc-MOV 750V
Up ≤ 3.0kV

Higher rated varistor voltage
Protection Module:
3 x BT WSM 750 RM

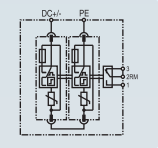
Combined 3P Modules surge arrester especially for protected wind turbine system inverter and main power supply.

Imax 40kA (8/20µs)



T2

PV Single-pole Class II Surge Arrester
Max. PV voltage up to 150V/600V,
for PV systems earthed on the d.c. side



BT S PVM 150 RM
Art.-No. 800 521
Single-pole SPD
2 mods (36mm)
Uc-PV 150VDC
In 20kA
Imax 40kA
Uc-MOV 75V
Up ≤ 0.8kV

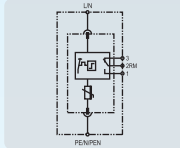
BT S PVM 600 RM
Art.-No. 800 522
Single-pole SPD
2 mods (36mm)
Uc-PV 600VDC
In 20kA
Imax 40kA
Uc-MOV 300V
Up ≤ 2.5kV

Imax 40kA (8/20µs)



T2

Single-pole Higher System Voltage Class II AC Surge Arrester
Max. AC voltage up to ac 1000V



BT WSM 1000 RM
Art.-No. 800 519
Single-pole SPD
2 mods (36mm)
Un 1000V
In 15kA
Imax 40kA
Uc-MOV 1000V
Up ≤ 4.5kV



Earthing Clip for two modules enclosures:

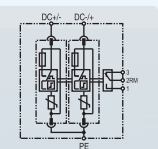
for combined module connecting the earth terminals of two-pole/three-pole/four-pole to earthed.

Imax 40kA (8/20µs)



T2

Combined DC Surge Arrester
For PV systems or DC power supply systems
Max. DC voltage up to 150V-1000V



BT PVM 150 RM/2P
Art.-No. 800 511
Two-pole SPD
2 mods (36mm)
Uc-PV 150VDC
In 20kA
Imax 40kA
Uc 200V
Up ≤ 0.8kV

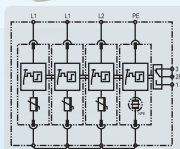
BT PVM 600 RM/2P
Art.-No. 800 512
Two-pole SPD
2 mods (36mm)
Uc-PV 600VDC
In 20kA
Imax 40kA
Uc 625V
Up ≤ 2.5kV

BT PVM 1000 RM/2P
Art.-No. 800 501
Two-pole SPD
2 mods (36mm)
Uc-PV 1000VDC
In 20kA
Imax 40kA
Uc 1060V
Up ≤ 3.5kV

Imax 40kA/100kA (8/20µs)



Combined Higher System Voltage Class II AC Surge Arrester
For wind turbine power supply system
Generator Protected
Max. AC voltage up to 1000V

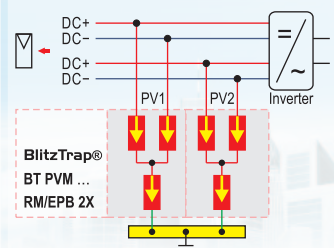


T1 T2

BT WSM 1000 RM/3+N
Art.-No. 800 519
Three-phase SPD
8 mods (144mm)
Uc 1000VAC
Imax 30/100kA

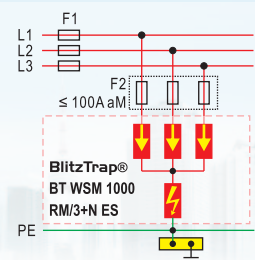
3x MOV Module
BT WSM 1000 RM
Art.-No. 800 519
Un 1000V
In 15kA
Imax 40kA
Uc-MOV 1000V
Up ≤ 4.5kV

1x GDT Module
BT WSM 1000 PE RM
Art.-No. 800 520
Un 1000V
limp 100kA
Imax 30kA
Uc-GDT 1000V
Up ≤ 4.5kV



BT PVM 1000 RM/EPB 2X

Combined Surge Arrester Box for protecting two MPP inputs and outputs, use in photovoltaic system.



BT WSM 1000 RM/3+N ES

Combined Surge Arresters Box for protecting the rotor and inverter of wind turbine system.