

SURGE PROTECTION DEVICE FOR POWER SUPPLY SYSTEMS

Type 1 SPD Modules Selection Tables for North America



BlitzTrap® Modular Products Range Protector

Single phase System	Split phase System	Split phase System	Split phase System	Three phase System
120V, 240V, 254V, 277V, 347V	240V, 480V (Delta)	120V/240V, 127V/254V, 240V/480V	127V/254V	240V, 480V (Delta)
1 	2 	3 	4 	5
Single phase	Split phase Delta/3W+G	Split phase/3W+G	Split phase (+N)/3W+G	3 phase Delta/3W+G

SPD Type	Protected lines	Nominal voltage (VAC)	Max. continuous operating voltage (MCOV)	Nominal discharge current In (8/20µs)	Max. discharge current Imax (8/20µs)	Voltage protection rating (VPR)	Short current withstand (SCCR)	Order code (Art.-No)	Packing unit (pcs)
1 Single pole module SPD for application in Single Phase electrical systems									
BT PUM 180 RM	1	120V, 175V	180V	20kA	50kA	0.6kV	200kA	815 011	1pc(s)
BT PUM 230 RM	1	120V, 175V	230V	20kA	50kA	0.7kV	200kA	815 012	1pc(s)
BT PUM 275 RM	1	240V	275V	20kA	50kA	0.8kV	200kA	815 013	1pc(s)
BT PUM 320 RM	1	240V, 254V, 277V	320V	20kA	50kA	1.0kV	200kA	815 014	1pc(s)
BT PUM 385 RM	1	240V, 254V, 277V	385V	20kA	50kA	1.2kV	200kA	815 015	1pc(s)
BT PUM 440 RM	1	347V	440V	20kA	50kA	1.4kV	200kA	815 016	1pc(s)
BT PUM 510 RM	1	347V	510V	20kA	50kA	1.5kV	200kA	815 017	1pc(s)
BT PUM 550 RM	1	480V	550V	20kA	50kA	1.8kV	200kA	815 018	1pc(s)
BT PUM 660 RM	1	600V	660V	15kA	30kA	2.0kV	200kA	815 019	1pc(s)
2 Combined modules SPD for application in Split Phase Corner Grounded Delta systems									
BT PUM CGD 240 RM/2P	2	240V Delta	275V/550V [L-G]/[L-L]	20kA	50kA	0.8kV/1.5kV [L-G]/[L-L]		815 033	1pc(s)
BT PUM CDG 480 RM/2P	2	480V Delta	550V/1100V [L-G]/[L-L]	20kA	50kA	1.8kV/3.0kV [L-G]/[L-L]		815 038	1pc(s)
3 Combined modules SPD for application in Split Phase systems									
BT PUM SP 240 RM/2P	2	120V/240V	230V/460V [L-G]/[L-L]	20kA	50kA	0.7kV/1.5kV [L-G]/[L-L]		815 042	1pc(s)
	2	127V/254V	230V/460V [L-G]/[L-L]	20kA	50kA	0.7kV/1.5kV [L-G]/[L-L]			
BT PUM SP 480 RM/2P	2	240V/480V	385V/770V [L-G]/[L-L]	20kA	50kA	1.2kV/2.5kV [L-G]/[L-L]		815 045	1pc(s)
4 Combined modules SPD for application in Split Phase systems (with N protected)									
BT PUM SPN 240 RM/3P	3	127V/254V	180V/360V [L-N]/[L-G] 360V/180V [L-L]/[N-G]	20kA	50kA	0.6kV/1.2kV [L-N]/[L-G] 1.2kV/0.6kV [L-L]/[N-G]		815 051	1pc(s)
5 Combined modules SPD for application in Three Phase Delta electrical systems (3W+G)									
BT PUM 3WD 240 RM/3P	3	240V Delta	275V/550V [L-G]/[L-L]	20kA	50kA	0.8kV/1.5kV [L-G]/[L-L]		815 063	1pc(s)
BT PUM 3WD 480 RM/3P	3	480V Delta	550V/1100V [L-G]/[L-L]	20kA	50kA	1.8kV/3.0kV [L-G]/[L-L]		815 068	1pc(s)

* This sample catalogue is an excerpt of our New Lightning and Surge Protection. You can request a more complete SPD data sheet from our sales team.

SURGE PROTECTION DEVICE FOR POWER SUPPLY SYSTEMS

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Three phase System 120V/208V, 277V/480V, 347V/600V	Three phase System 120V/208V, 277V/480V, 347V/600V	Three phase System 120V/240V, 240/480V (HL Delta)	Impulse Counter Smart Counting, 7 Digits	Surge Arrester Box IP65, Max. 9 Modules width
6 	7 	8 	9 	10
3 phase Wye/3W+G	3 Phase Wye (+N)/4W+G	3 Phase (+N) HL Delta/4W+G	IC 05--Installation Steps	IE CB...--Installation Enclosure

SPD Type	Protected lines	Nominal voltage (VAC)	Max. continuous operating voltage (MCOV)	Nominal discharge current In (8/20µs)	Max. discharge current Imax (8/20µs)	Voltage protection rating (VPR)	Order code (Art.-No)	Packing unit (pcs)
6 Combined modules SPD for application in Three Phase Wye electrical systems (3W+G)								
BT PUM 3WY 208 RM/3P	3	120V/208V	180V/360V [L-G]/[L-L]	20kA	50kA	0.6kV/1.2kV [L-G]/[L-L]	815 071	1pc(s)
BT PUM 3WY 480 RM/3P	3	277V/480V	385V/770V [L-G]/[L-L]	20kA	50kA	1.2kV/2.5kV [L-G]/[L-L]	815 075	1pc(s)
BT PUM 3WY 600 RM/3P	3	347V/600V	510V/1020V [L-G]/[L-L]	20kA	50kA	1.5kV/3.0kV [L-G]/[L-L]	815 077	1pc(s)
7 Combined modules SPD for application in Three Phase Wye electrical systems (4W+G)								
BT PUM 4WY 208 RM/4P	4	120V/208V	180V/360V [L-N]/[L-G] 180V/360V [N-G]/[L-L]	20kA	50kA	0.6kV/1.2kV [L-N]/[L-G] 0.6kV/1.2kV [N-G]/[L-L]	815 091	1pc(s)
BT PUM 4WY 480 RM/4P	4	277V/480V	385V/565V [L-N]/[L-G] 180V/770V [N-G]/[L-L]	20kA	50kA	1.2kV/1.8kV [L-N]/[L-G] 0.6kV/2.5kV [N-G]/[L-L]	815 095	1pc(s)
BT PUM 4WY 600 RM/4P	4	347V/600V	510V/690V [L-N]/[L-G] 180V/1020V [N-G]/[L-L]	20kA	50kA	1.5kV/2.0kV [L-N]/[L-G] 0.6kV/3.0kV [N-G]/[L-L]	815 097	1pc(s)
8 Combined modules SPD for application in Three Phase High Leg Delta systems (4W+G)								
BT PUM 4WD 240 RM/4P	4	120V/240V	230V/410V [L-N]/[L-G] 180V/460V [N-G]/[L-L] 275V/455V [H-N]/[H-G] 505V [L-H]	20kA	50kA	0.7kV/1.2kV [L-N]/[L-G] 0.6kV/1.5kV [N-G]/[L-L] 0.8kV/1.5kV [H-N]/[H-G] 1.5kV [L-H]	815 083	1pc(s)
BT PUM 4WD 480 RM/4P	4	240V/480V	385V/565V [L-N]/[L-G] 180V/770V [N-G]/[L-L] 510V/690V [H-N]/[H-G] 895V [L-H]	20kA	50kA	1.2kV/1.8kV [L-N]/[L-G] 0.6kV/2.5kV [N-G]/[L-L] 1.5kV/2.0kV [H-N]/[H-G] 2.5kV [L-H]	815 088	1pc(s)
9 Smart Impulse Counter for Registration of Discharge								
IC 05	Response behavior of impulse current >1kA, rise time 8-10µs	Sequence of impulse >1s	LCD indicator 0-9999999 (7 digits)	Inductive line Twisted-pair 1m long	Time record of history 50 times	Power Supply 3V battery	810 405	1pc(s)
10 Surge Arrester Box for use in Indoor or Outdoor installation								
IE CB ...	Degree of protection IP65	Type of cover transparent door	Color of enclosure Grey	Number of cable entries 3/4/5 weatherproof connector (Brass gland)	Capacity 9 modules, DIN		840 934	1pc(s)

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