

The Enerdoor surge arrester BM (G) 12.5 series provides advanced surge protection. This device is designed for maximum discharge of L-N 65 kA and N-PE 100 kA, meets the UL 1449 3rd edition and IEC61643-11:2011 Standards, and includes a visual and remote contact indicator.

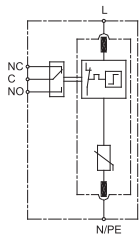
GENERAL CHARACTERISTICS


Class category IEC/VDE	I + II / B+C
Operating temperature range	-40°C + 80°C
Operating humidity range	0 ~ 90%
Response time L-N (N-PE)	≤25 ns (<100ns)
Backup fuse (only required if not in the main)	250 Amps gL/gG
Flow current	L-N No N-PE If 100 Arms @ 255 Vac
Enclosure material	Thermoplastic, UL94 V-0
Mounting	35mm DIN rail according to the EN50022/DIN46277-3 Standard
Max size of connecting wire	Single-strand 35mm ² (or # 2AWG) Multi-strand 25mm ² (or # 4AWG)
Remote alarm contact type	Isolated form C
Switching capability Un/In	AC: 250V/0.5A DC: 250V/0.1A
Max size of connecting wire	Max 1.5mm ² (or #16AWG)

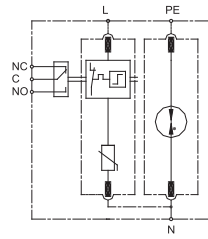
BM (G) 12.5	Nominal Voltage Vac L-L (L-N)	Max Continuous Operation Voltage NPE - Vac	Nominal Discharge (In, KA) 8/20		Max Discharge Current (Imax, KA)		Voltage Protection Rated (kV)			Case
			L-N	N-PE	L-N	N-PE	LN@In	L-N@VPR	NPE (1.2/50)	
BM.150 1P12.5	150	-	12.5	-	65	-	<0.7	<0.6	-	1
BM.275 1P12.5	275	-	12.5	-	65	-	<1.0	<0.8	-	1
BM.320 1P12.5	320	-	12.5	-	65	-	<1.4	<1.2	-	1
BM.385 1P12.5	385	-	12.5	-	80	-	<1.6	<1.4	-	1
BM.420 1P12.5	420	-	12.5	-	80	-	<1.8	<1.5	-	1
BMG.150 2P12.5 N25	208 (150)	150	12.5	25	65	100	<0.7	<0.6	<0.8	2
BMG.150 2P12.5 N50	208 (150)	150	12.5	50	65	100	<0.7	<0.6	<0.8	2
BMG.275 2P12.5 N25	320 (275)	150	12.5	25	65	100	<1.0	<0.8	<1.5	2
BMG.275 2P12.5 N50	320 (275)	150	12.5	50	65	100	<1.0	<0.8	<1.5	2
BMG.320 2P12.5 N25	400 (320)	255	12.5	25	65	100	<1.4	<1.2	<1.5	2
BMG.320 2P12.5 N50	400 (320)	255	12.5	50	65	100	<1.4	<1.2	<1.5	2
BMG.385 2P12.5 N25	480 (385)	255	12.5	25	80	100	<1.6	<1.4	<1.5	2
BMG.385 2P12.5 N50	480 (385)	255	12.5	50	80	100	<1.6	<1.4	<1.5	2
BMG.420 2P12.5 N25	600 (420)	255	12.5	25	80	100	<1.8	<1.5	<1.5	2
BMG.420 2P12.5 N50	600 (420)	255	12.5	50	80	100	<1.8	<1.5	<1.5	2
BMG.150 3P12.5 N25	208 (150)	150	12.5	25	65	100	<0.7	<0.6	<0.8	3
BMG.150 3P12.5 N50	208 (150)	150	12.5	50	65	100	<0.7	<0.6	<0.8	3
BMG.275 3P12.5 N25	320 (275)	150	12.5	25	65	100	<1.0	<0.8	<1.5	3
BMG.275 3P12.5 N50	320 (275)	150	12.5	50	65	100	<1.0	<0.8	<1.5	3
BMG.320 3P12.5 N25	400 (320)	255	12.5	25	65	100	<1.4	<1.2	<1.5	3
BMG.320 3P12.5 N50	400 (320)	255	12.5	50	65	100	<1.4	<1.2	<1.5	3
BMG.385 3P12.5 N25	480 (385)	255	12.5	25	80	100	<1.6	<1.4	<1.5	3
BMG.385 3P12.5 N50	480 (385)	255	12.5	50	80	100	<1.6	<1.4	<1.5	3
BMG.420 3P12.5 N25	600 (420)	255	12.5	25	80	100	<1.8	<1.5	<1.5	3
BMG.420 3P12.5 N50	600 (420)	255	12.5	50	80	100	<1.8	<1.5	<1.5	3

ELECTRICAL DIAGRAM

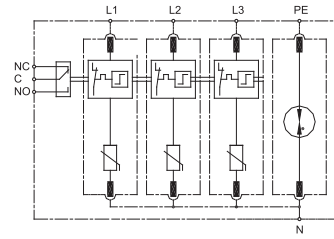
SCHEMATIC 1



SCHEMATIC 2

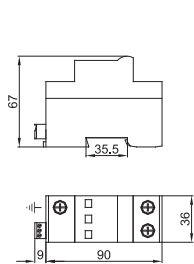


SCHEMATIC 3

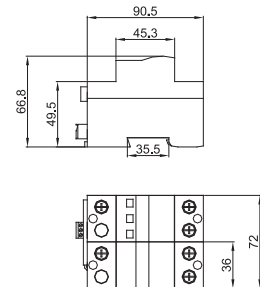


MECHANICAL DIMENSIONS (mm)

CASE 1



CASE 2



CASE 3

