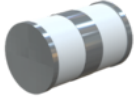
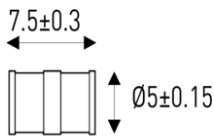


BM 90/20



- The smallest 3-electrode GDT
- No radioactive
- Used in connector blocks and adapted holders
- UL certified
- Available in version for surface mounting (BM CMS)
- Available in version with square electrode (BMSQ)
- Available in version for PCB mounting (BM S series)
- Available version with fail-safe (BM FL series)



Electrical Characteristics	
DC sparkover voltage (100V/s)	72-108 V
DC spark voltage tolerance	+/- 20%
Maximum impulse sparkover voltage (1kV/µs)	<560 V
Nominal discharge current 10 x 8/20µs impulses	In 10 kA
Total Maximum discharge current max. total withstand @ 8 /20 µs	Imax Total 25 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp 2 kA
Impulse discharge current 10/350µs - 1 time	2 kA
Max. capacitance	C <0.5 pF
Insulation resistance	IR ≥10 GOhms
Arc Voltage	≤ 25 V
Glow-to-arc transition current	0.5 A
Glow voltage	≤ 100 V
AC discharge current (50Hz)	10 A
DC Holdover voltage R = 300 ohms in serie R = 150 ohms; 100nF en parrallel	≥ 60 V
Mechanical Characteristics	
Impulse life 300 times, interval 2 min	50 A
Technology	Gas discharge tube
Operating and storage temperature	-40°C / +90°C
Failsafe mode	Version with fail-safe: BM FL 90/20 (9297901)
Dimensions	See diagram
Weight	0.67 g
Standards	
Standards compliance	ITU-T K12 rec.
Certification	UL Recognized / ROHS
RohS compliance	Yes
Part number	
9297001	

Note: At delivery AQL 0.65 II, DIN ISO 2859