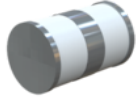
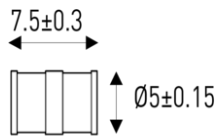


## BM 90/20



- 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		
<b>9297001</b>		

Note: At delivery AQL 0.65 II, DIN ISO 2859

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