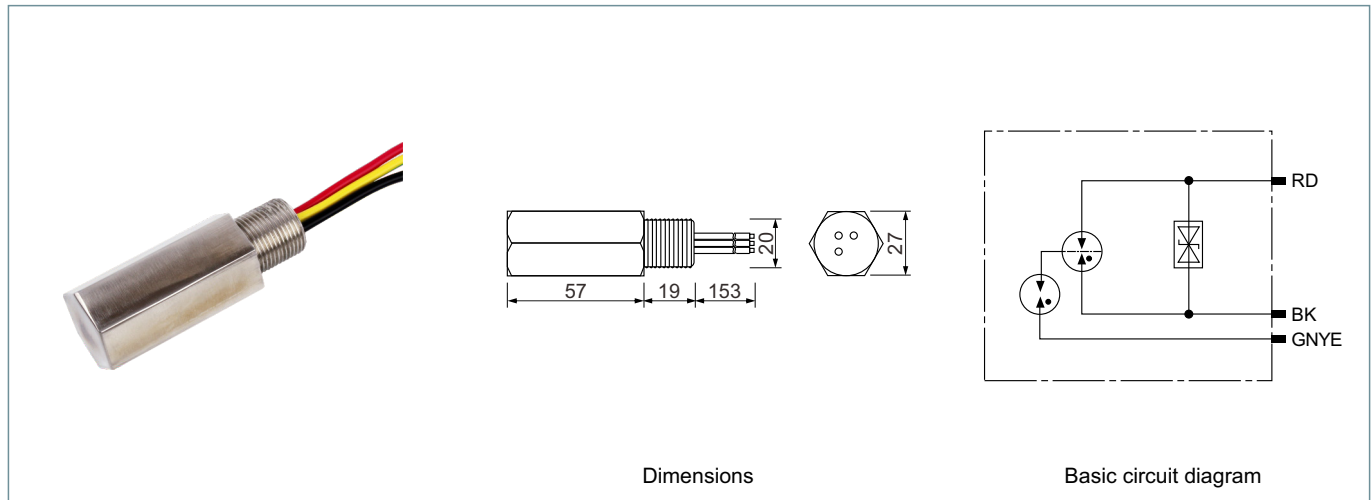


FDB2-24

Surge arrester with a low-capacitance protective circuit for protecting intrinsically safe measuring circuits and bus systems. Application: Flow sensors, temperature sensors.

- Easy to mount on the spare cable gland of field devices
- Self-capacitance and self-inductance negligibly small
- Stainless steel housing with pressure-resistant encapsulation



Type	FDB2-24	
SPD according to EN 61643-21 / IEC 61643-21	type 2 / class II	
Nominal voltage	U_n	24 V
Max. continuous operating a.c. voltage	U_c	22.6 V
Max. continuous operating d.c. voltage	U_c	32 V
Max. input voltage acc. to EN 60079-11	U_i	30 V
Max. input current acc. to EN 60079-11	I_i	0.55 A
Nominal current	I_L	0.55 A
D1 Lightning impulse current (10/350 μ s) line-PG	I_{imp}	1 kA
C2 Total nominal discharge current (8/20 μ s)	I_n	10 kA
C2 Nominal discharge current (8/20 μ s) line-line	I_n	150 A
C2 Nominal discharge current (8/20 μ s) line-PG	I_n	10 kA
Voltage protection level line-line for In C2	U_p	≤ 58 V
Voltage protection level line-PG for In C2	U_p	≤ 1700 V
Voltage protection level line-line at 1 kV/ μ s C3	U_p	≤ 50 V
Voltage protection level line-PG at 1 kV/ μ s C3	U_p	≤ 1200 V
Cut-off frequency line-line	f_G	67 MHz
Capacitance line-line	C	≤ 25 pF
Capacitance line-PG	C	≤ 15 pF
Range of operating temperatures	T_U	-40/+80°C
Degree of protection	IP67	
For mounting on (field / device side)	M20 x 1.5 male thread	
Connection	connecting lines (1.3 mm ²)	
Length of the connecting line	Approx. 150 mm	
Earthing via	connecting line	
Enclosure material	stainless steel	