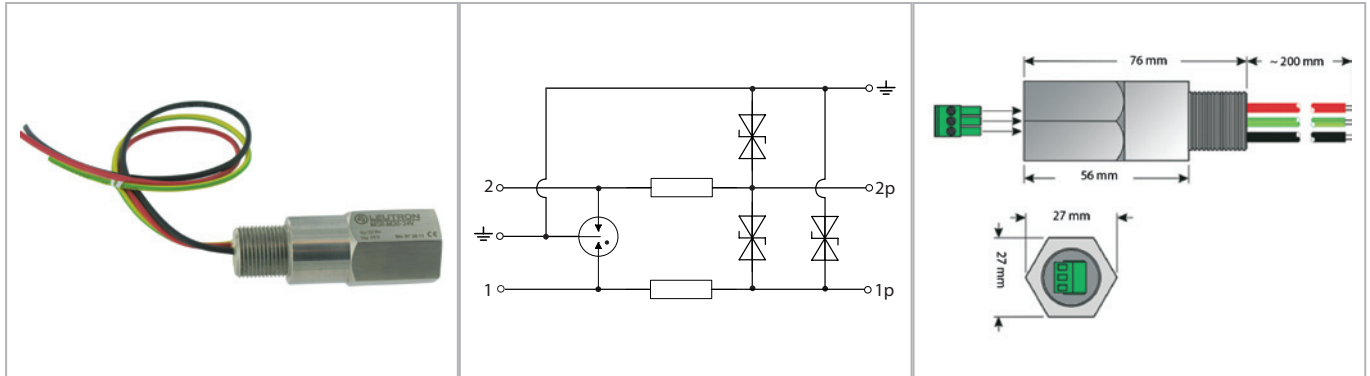


Datasheet

Surge protection for measuring systems and automatic control devices



The protection device is a unique unit providing a level of protection for field-mounted transmitters that is far in excess of the optional transient protection facilities available from transmitter manufacturers - without involving any additional wiring, conduit modifications or others expensive extras.

- Applicable at the LPZ transition point OB-2 and higher
- Easy mounting directly
- Low impedance series connection avoids signal degradation of the loop
- Intrinsically safe and flameproof
- Test standard: IEC 61643-21 / EN 61643-21
- Earthing via metal housing
- Length of connecting line

Technical Data		MSR-M20-24V
IEC category/EN type		D1 / C2 / C1 / C3
Nominal voltage AC	UN	24 V~
Max. continuous operating voltage DC	Uc	32 V=
Nominal current	IL	1,5 A
D1 lightning impulse current (10/350) per line	Iimp	1,0 kA
C2 nominal discharge current (8/20 μs) total	I _{max}	10 kA
Protection level line-line at In C2	Up	-
Protection level line-earth at In C2	Up	-
Series resistance per line	Rs	0,5 Ω
Capacitance wire-wire	C	≤ 400 pF
Capacitance, line-earth	C	≤ 20 pF
Max. operating frequency line-line	fG	14 MHz
Operating temperature range	TU	-40 - +80 °C
Terminal input/output		Screw/line 1,5 mm ²
Conductor cross section single wire		0,08-2,5 mm ²
Conductor cross section fine stranded		0,08-1,5 mm ²
Length of connecting line		200 mm
Enclosure material / colour		stainless steel
Degree of protection (IEC EN 60529)		IP 66/67

Order Data	
Product	MSR-M20-24V
Article-No.	97 20 11