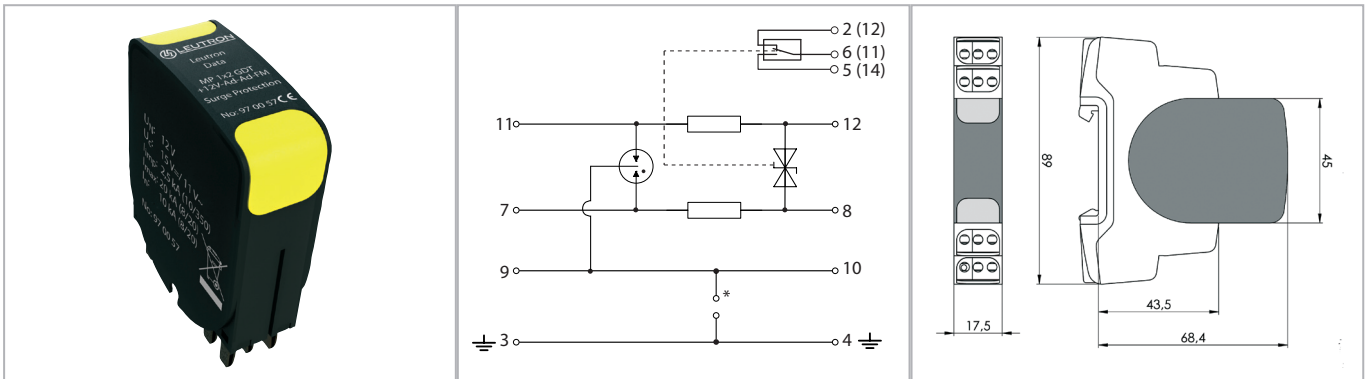


# Datasheet

## Surge protection for measuring systems and automatic control devices

### Pluggable SPD with high discharge capability and low protection level for MCR applications



**Fully pluggable two-parts arrester with remote signaling contact for signal lines. The protective module can be removed for test or maintenance purposes without changing the line impedance and therefore influencing the signal level. The base part can remain in the installation without manipulating or removing any wire.**

- Protective plug can be removed without changing the line impedance or influencing the useful signal
- Protection of one double or two single lines
- Test standard: IEC 61643-21 / EN 61643-21
- Vibration test standard: DIN EN 60068-2-6, IEC 60068-2-6
- Shock test standard: DIN EN 60068-2-27, IEC 60068-2-27
- Applicable at the boundaries LPZ 0A - 1 and higher
- Mounting on 35 mm DIN rail (EN 60715)
- Enclosure material: thermoplastic
- Space required for installation: 17.5 mm
- Remote signalling contact: Remote changeover contact

Technical Data		MP 1x2 GDT+12V-Ad-Ad-FM
IEC category		D1 / C2 / C1 / C3
Nominal voltage DC	UN	12V=
Max. continuous operating voltage (DC/AC)	Uc	15/11V
Nominal current	IL	0,5 A
D1 lightning impulse current (10/350 µs) per line	Iimp	2,5 kA
C2 nominal discharge current (8/20 µs) total	I <sub>max</sub>	20 kA
C2 nominal discharge current (8/20 µs) per line	I <sub>n</sub>	10 kA
Protection level line-line at Iimp D1	U <sub>p</sub>	≤ 26V
Protection level line-earth at Iimp D1	U <sub>p</sub>	≤ 550V
Protection level line-line at 1 kV/µs C3	U <sub>p</sub>	≤ 19V
Protection level line-Pg at 1 kV/µs C3	U <sub>p</sub>	≤ 500V
Series resistance per line		2,2 Ω
Max. operating frequency (-3 dB)	f <sub>G</sub>	typ. 3,0 MHz
Conductor cross section (solid/stranded/AWG)		0.2-4.0/0.2-2.5 mm <sup>2</sup> / 24-12
Operating temperature range	TU	-40 - +70°C
Inflammability class according to UL 94		V0
Degree of protection (IEC EN 60529)		IP 20
Enclosure material / colour		PA6 / black-yellow
Dimension (DIN 43880)		17,5 mm
Mounting on		35 mm DIN rail (EN 60715)
Max. operating voltage remote contact FM		110V DC / 125V AC
Max. switching power FM		30W (DC) // 62,5VA (AC)
Switching capacity FM		1 A/30 VDC // 0,5 A/125 VAC
Order Data		
Product	MP 1x2 GDT+12V-Ad-Ad-FM	
Article-No.	97 00 57	

15.04.2020

We reserve the right to make alterations in style and form in line with technical development. The illustrations are non-binding. We do not assume liability for mistakes or printing errors.  
Copyright © LEUTRON GmbH 2020