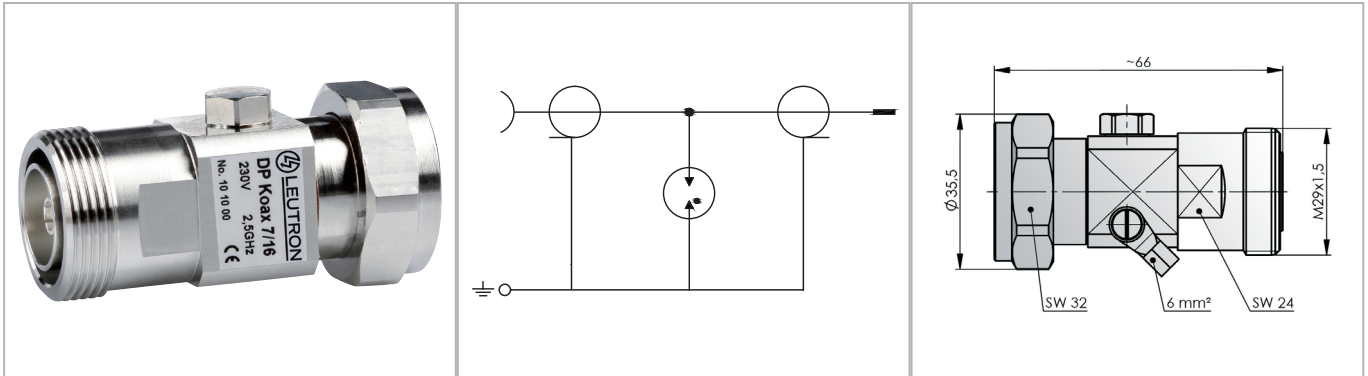


Datasheet

Surge protection for transmitting and receiving systems

SPD with DIN 7/16 connector



DataPro Koax 7/16 was developed for the coarse protection of highly sensitive RF amplifiers with DIN 7/16 connectors such as amplifiers for GSM antenna systems.

- High performance surge arrester for broadband applications with frequency ranges from DC up to 2.5 GHz
- Applicable at the boundaries LPZ 0B - 1 and higher
- Connector according to IEC 61169-4
- Test standard: IEC 61643-21 / EN 61643-21

Technical Data		DP Koax 7/16
IEC category		C2 / C1 / C3
Surge impedance	Z	50 Ω
Frequency range	f ₀	0 - 2500 MHz
Return loss	RL	typ.: 1 GHz - 32 dB; 2 GHz - 23 dB; 2,2 GHz - 23 dB; 2,5 GHz - 20 dB; 2,7 GHz - 17 dB
Insertion loss	f _E	typ.: 2,2 GHz < 0,1 dB; 2,5 GHz < 0,2 dB
DC spark-over voltage		230 V
C2 nominal discharge current (8/20 μs)	I _n	15 kA
Max. impulse discharge current (8/20 μs)	I _{max}	20 kA
Insulation resistance	R _{isol}	≥ 10 GΩ
Vertical resistance inner conductor	R	≤ 0,4 mΩ
Vertical resistance outer conductor	R	≤ 0,2 mΩ
Operating temperature range	TU	-55 - +155 °C
Degree of protection (IEC EN 60529)		IP 67
Plug connector		DIN 7/16 (m/f)

Order Data	
Product	DP Koax 7/16
Article-No.	10 10 00