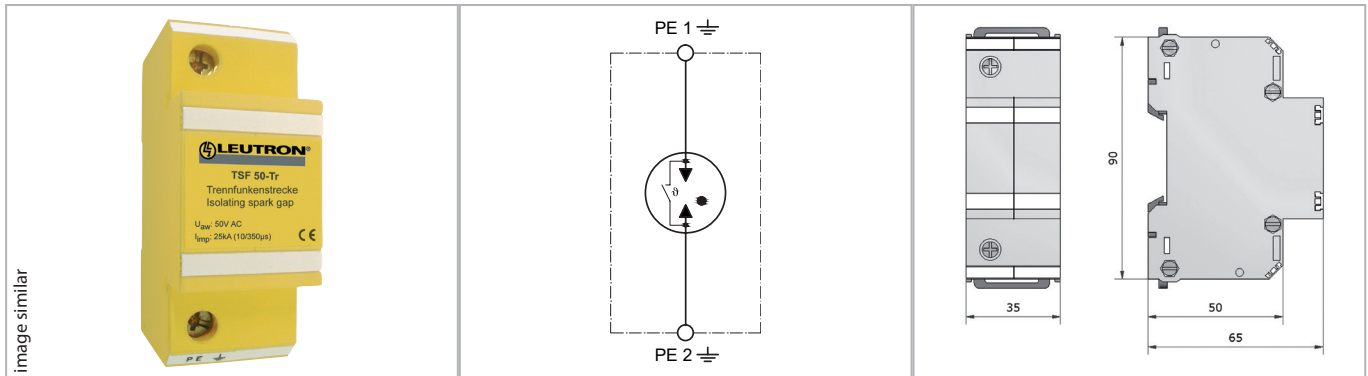


Datasheet

Rare-gas-filled insulation spark gaps

DIN rail mounting



A rare-gas-filled spark gap for the lightning protection equipotential bonding, the insulation of electrically separated parts and the bridging of insulating flanges of gas pipelines.

- AC spark-over voltage : 70 V
- DC spark-over voltage : 50 V
- Light. imp. current resistance (10/350µs): 25 kA
- Mounting on 35 mm DIN rail (EN 60715)
- Test standard DIN EN 62561-3:2018-02
- Degree of protection according to IEC EN 60529: IP 20
- EAC certification

Technical Data		TSF 50-Tr
IEC category		Class 1L
Nominal DC sparkover voltage at 100 V/s	UagN	70 V=
Nominal AC sparkover voltage (50 Hz)	Uaw	50 ±20% V
Lightning impulse current (10/350 µs) total	Itotal	25 kA
Nominal impulse discharge current (10 x 8/20 µs)	In	25 kA
Insulation resistance at 10 V, 100 V		≥ 1 GΩ
Self-capacitance at 1 kHz		6 pF
Test category/climatic category		DIN IEC 60068-1 / 40/90/21
Relative humidity		10%...95% rh
Operating temperature range	TU	-40 - +80 °C
Max. conductor cross section		50 mm ² stranded/35 mm ² flexible
Recommended conductor cross section		25 mm ²
Degree of protection		IP 20
Mounting on		35 mm DIN rail (DIN EN 60715)

Order Data	
Product	TSF 50-Tr
Article-No.	44 90 76