

Overvoltage Protection with Integrated Fuse ProTec T1SF Multipole Connectivity Configurations



Raycap's new ProTec T1SF Series is based on its patented Phase Gas Discharge Tube (PGDT) technology, and a new integrated fuse technology. The products ensure safe thermal and fault-current disconnection on networks with prospective short circuit currents as low as 300A and as high as 75,000A. A coordinated thermal disconnecter provides disconnection at low fault currents (<300A), extending a continuous fault-tripping characteristic down to 1A.

Main features:

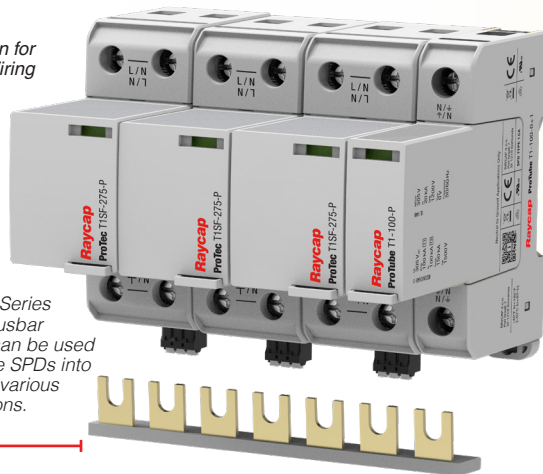
- Patented PGDT surge protection technology
- Integrated backup fuse
- Leakage-current free product for installation in the pre-metering area
- Shorter connecting cables – low voltage protection level
- Reduced installation space requirements, costs, wiring time and complexity
- Sensitive and reliable state-of-the-art disconnecter
- Visual and remote signalization of the device status
- Short circuit current rating up to 100 kA*

*VDE Certified up to 75kA, 100kA additionally tested by VDE.



Connection Options	Line to Line	Neutral to Ground	BusBar Connection
3+0 Configuration for TN-C System Wiring	3 x ProTec T1SF-275-1+0(-R) Order code: 59.A500 or 59.A0501	-	ProBar 1+6 Order code: 501 342
3+1 Configuration for TN-S and TT System Wiring	3 x ProTec T1SF-275-1+0(-R) Order code: 59.A500 or 59.A0501	1 x ProTec ProTube T1-100-0+1 Order code: 59.0278	ProBar 1+7 Order code: 501 343

3+1 Configuration for TN-S and TT System Wiring



ProBar Busbars

The ProBar Accessories Series is a series of insulated busbar interconnections which can be used to easily connect multiple SPDs into single protection unit for various systems and configurations.



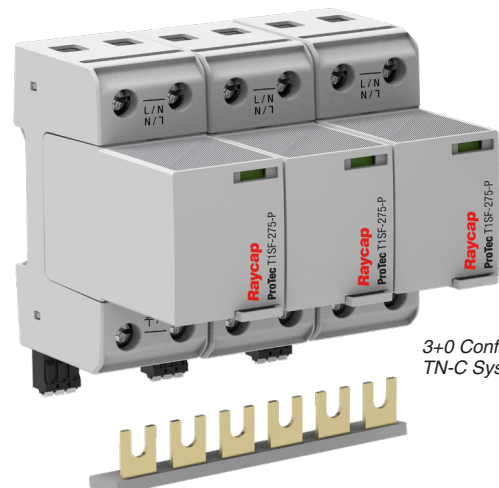
Main use:

- Heavy industry installations
- Transformer stations

Benefits:

- Smallest in-class solution on the market
- 16 mm² wiring can be always used*

*Installation of live conductors must be internal short-circuit proof between phases or between phase and earth.



3+0 Configuration for TN-C System Wiring

