

TRS-B C D Series SPD

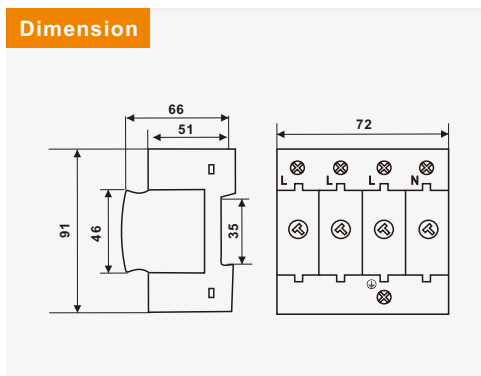
SPD type 2-surge arrester, MOV
Pluggable module, visual fault signalling

- Varistor surge arrester
- Installation to sub-distribution boards
- For protection of installations and equipments against impact of induced overvoltage during a lightning strike or switching overvoltages.

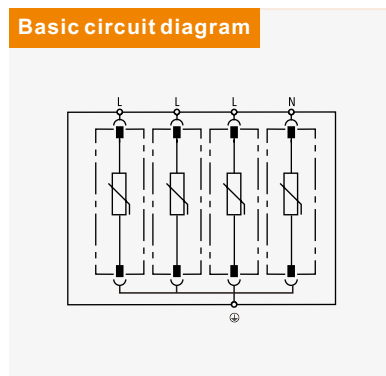
Product



Dimension



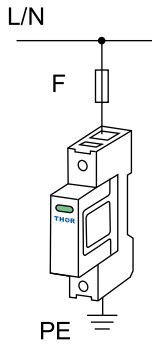
Basic circuit diagram



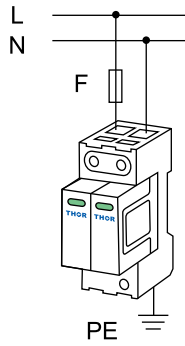
Parameter/Type		TRS-D10	TRS-D20	TRS-C40	TRS-B60
Nominal voltage	U_n	230V AC			
Maximum operating voltage	U_c	275V AC			
Nominal discharge current (8/20 μ s)	I_n	5kA	10kA	20kA	30kA
Maximum discharge current (8/20 μ s)	I_{max}	10kA	20kA	40kA	60kA
Voltage protection level	U_p	$\leq 0,7kV$	$\leq 1,0kV$	$\leq 1,3kV$	$\leq 1,5kV$
Response time	t_a	< 25ns			
Cross-section of connected conductors solid(min/max)		16mm ² /35mm ²			
Cross-section of connected conductors stranded(min/max)		16mm ² /35mm ²			
Fault indication		red indication field			
Degree of protection		IP20			
Range of operating temperatures (min/ max)		-40°C~+85°C			
Humidity range		5%~95%			
Mounting		DIN rail 35 mm			
According to standard		EN 61643-11:2012, IEC 61643-11:2011/T2			
Remarks		Other U_c can be customized.(420VAC,385VAC,320VAC,etc.)			

AC SPD Wiring diagram

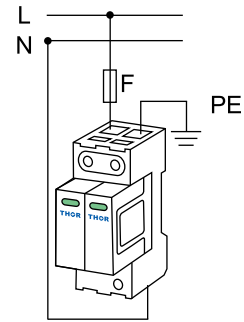
Single phase system



"1+0"
Connection

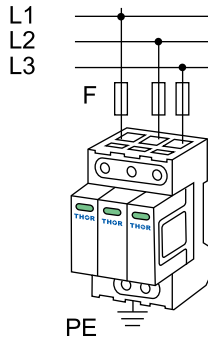


"2+0"
Connection

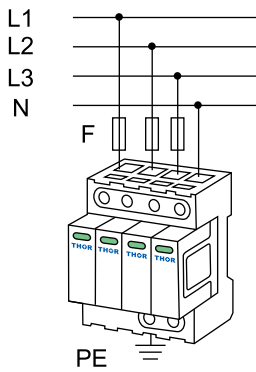


"1+1"
Connection

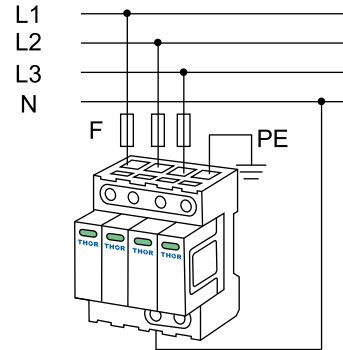
Three phase system



"3+0"
Connection

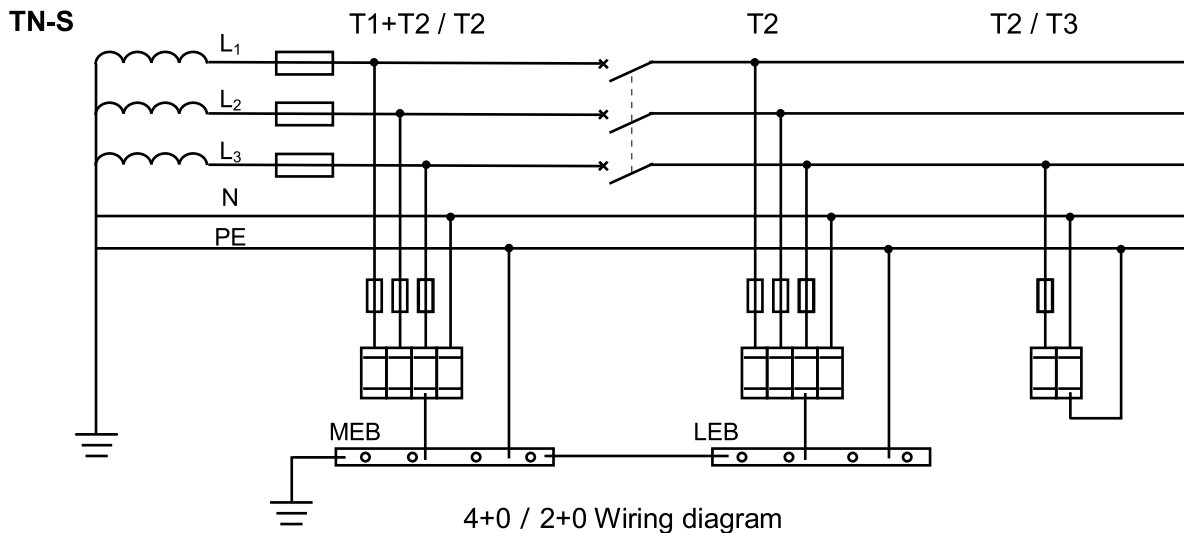


"4+0"
Connection



"3+1"
Connection

Connection of AC SPD in networks



Connection of AC SPD in networks

