TRS–A Series SPD

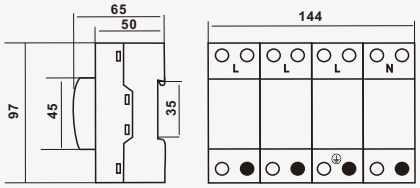
SPD type 1–surge arrester,Graphite gap

visual fault signalling

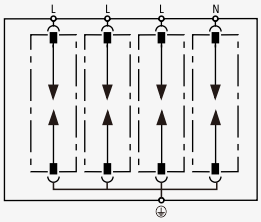
- Graphite gap surge arrester
- Installtion to main distribution boards
- For protection against impact direct or indirect lightning strikes in wide range of applications –houses,office and industrial buildings

Product

Dimension



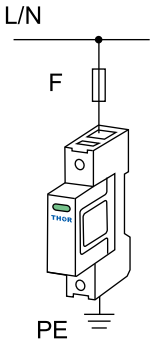
Basic circuit diagram



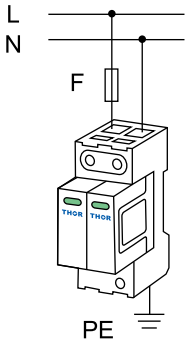
Parameter/Type		TRS–A15	TRS–A25	TRS–A50
Nominal volatge	U_n	230V AC		
Maximum operating voltage	U_c	275V AC		
Lightning impulse current (10/350 μs)	I_{imp}	15kA	25kA	50kA
Voltage protection level	U_p	≤2,0kV	≤2,2kV	≤2,5kV
Insulation resistance group		> 100mΩ		
Response time	t_a	< 100ns		
Cross–section of connected conductors solid(min/max)		16mm²/35mm²		
Cross–section of connected conductors stranded(min/max)		16mm²/35mm²		
Fault indication		—		
Degree of protection		IP20		
Range of operating temperatures (min/ max)		–40℃~+70℃		
Humidity range		5%~95%		
Mounting		DIN rail 35 mm		
According to standard		EN 61643–11:2012,IEC 61643–11:2011/T1		
Remarks		Other Uc can be customized.(420VAC,385VAC,320VAC,etc.)		

AC SPD Wiring diagram

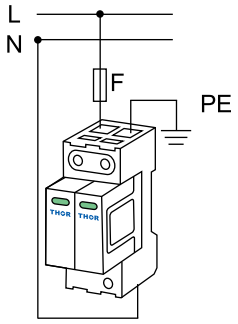
Single phase system



"1+0"
Connection

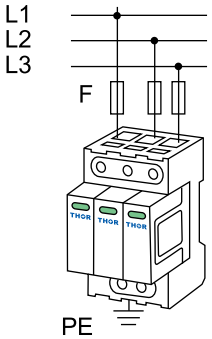


"2+0"
Connection

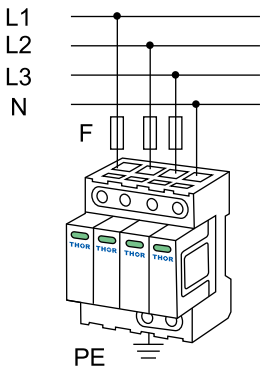


"1+1"
Connection

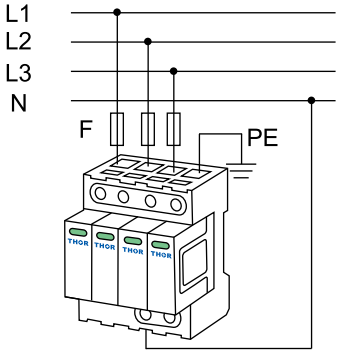
Three phase system



"3+0"
Connection

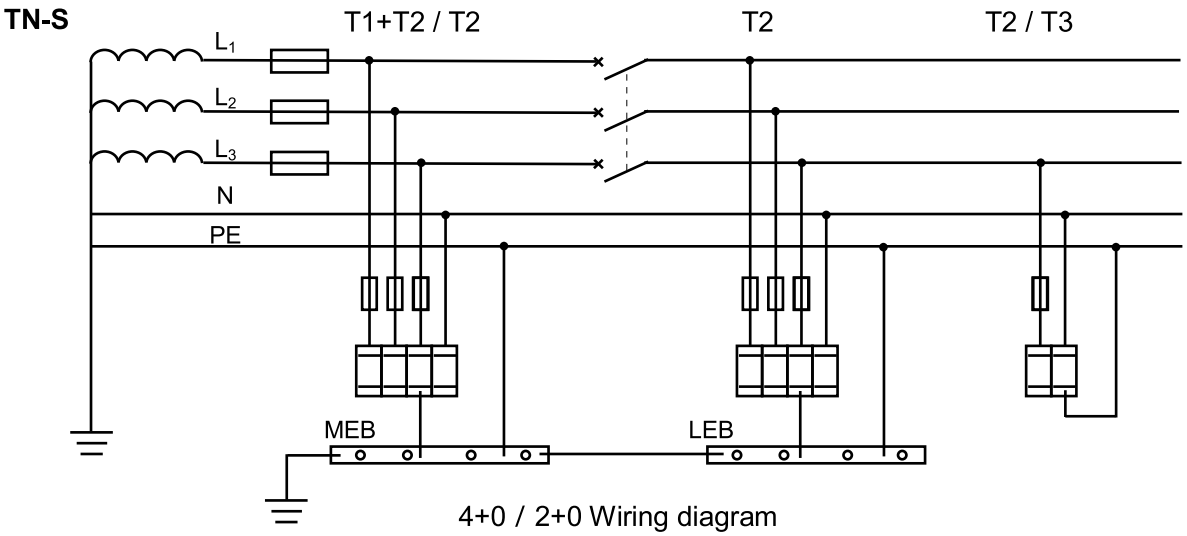


"4+0"
Connection



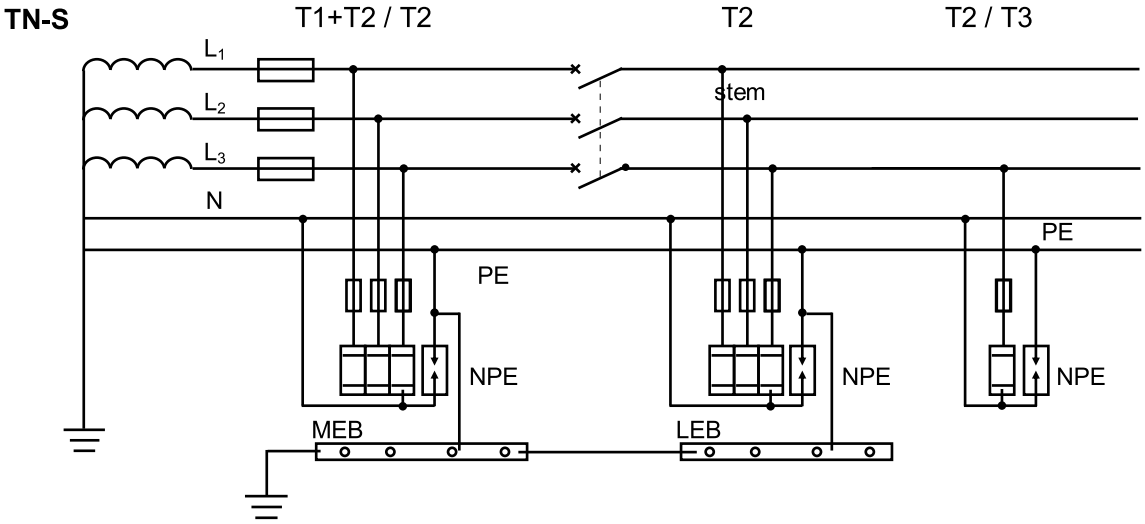
"3+1"
Connection

Connection of AC SPD in networks

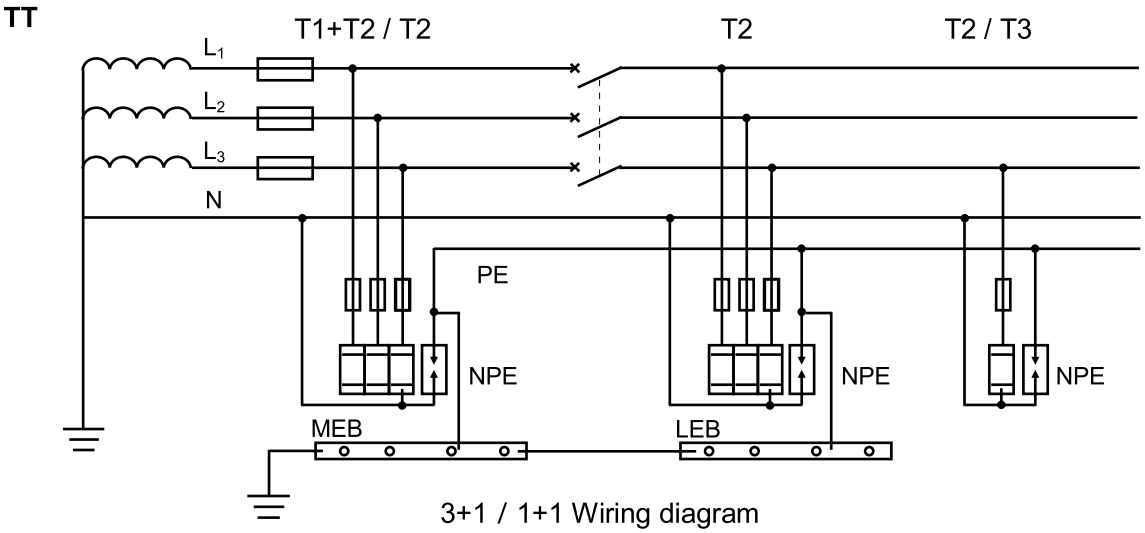


4+0 / 2+0 Wiring diagram

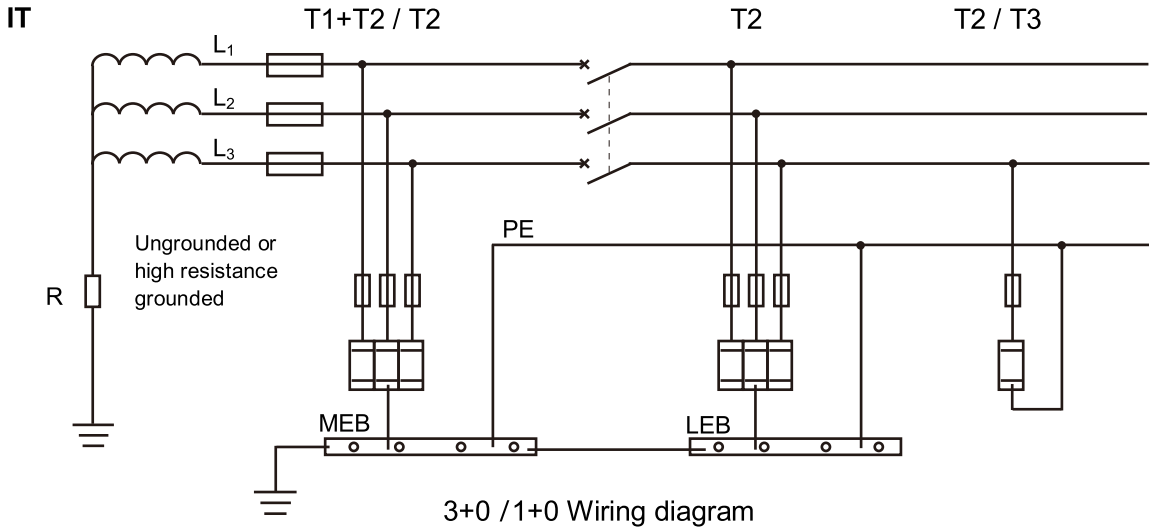
Connection of AC SPD in networks



3+1 / 1+1Wiring diagram



3+1 / 1+1 Wiring diagram



3+0 /1+0 Wiring diagram