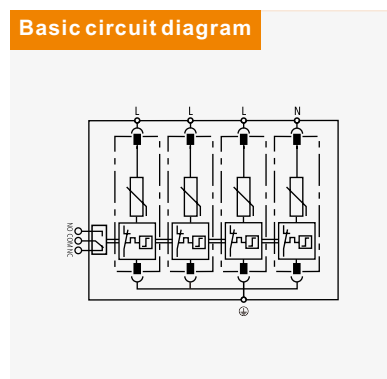
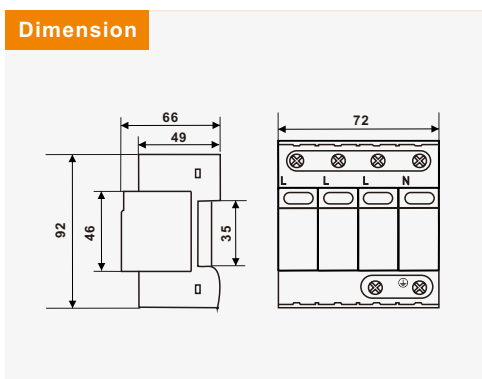


## TRS4 Series SPD

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.
- Optional remote fault signalling(s)

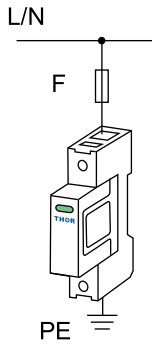


T2 AC SPD

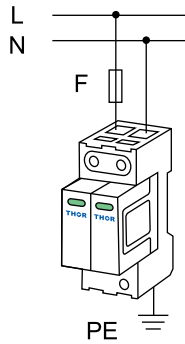
Parameter/Type		TRS4–D20		TRS4–C40		TRS4–B60
Nominal voltage	$U_n$	230 V AC				
Maximum operating voltage	$U_c$	275 V AC	320 V AC	275 V AC	320 V AC	275 V AC
Nominal discharge current (8/20 $\mu$ s)	$I_n$	10kA		20kA		30kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	20kA		40kA		60kA
Voltage protection level	$U_p$	$\leq 1,0$ KV	$\leq 1,2$ KV	$\leq 1,3$ KV	$\leq 1,5$ KV	$\leq 1,5$ KV
Response time	$t_a$	< 25ns				
Cross–section of connected conductors solid(min/max)		16mm <sup>2</sup> /35mm <sup>2</sup>				
Cross–section of connected conductors stranded(min/max)		16mm <sup>2</sup> /35mm <sup>2</sup>				
Fault indication		red indication field				
Remote indication		potential–free change–over contact				
remote indication contacts		250V/0,5A AC, 250V/0,1A DC				
Cross–section of remote indication conductors		1,5mm <sup>2</sup>				
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

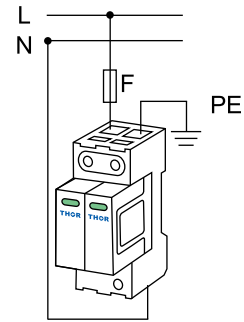
## Single phase system



"1+0"  
Connection

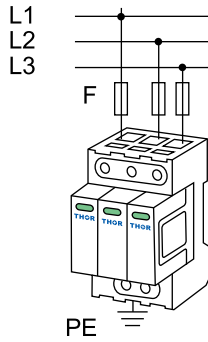


"2+0"  
Connection

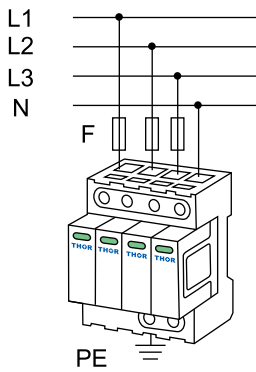


"1+1"  
Connection

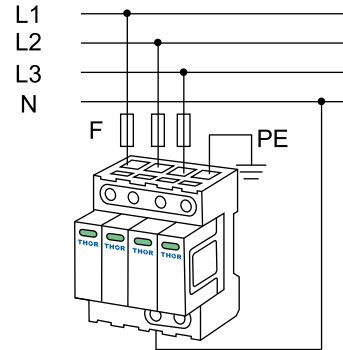
## Three phase system



"3+0"  
Connection

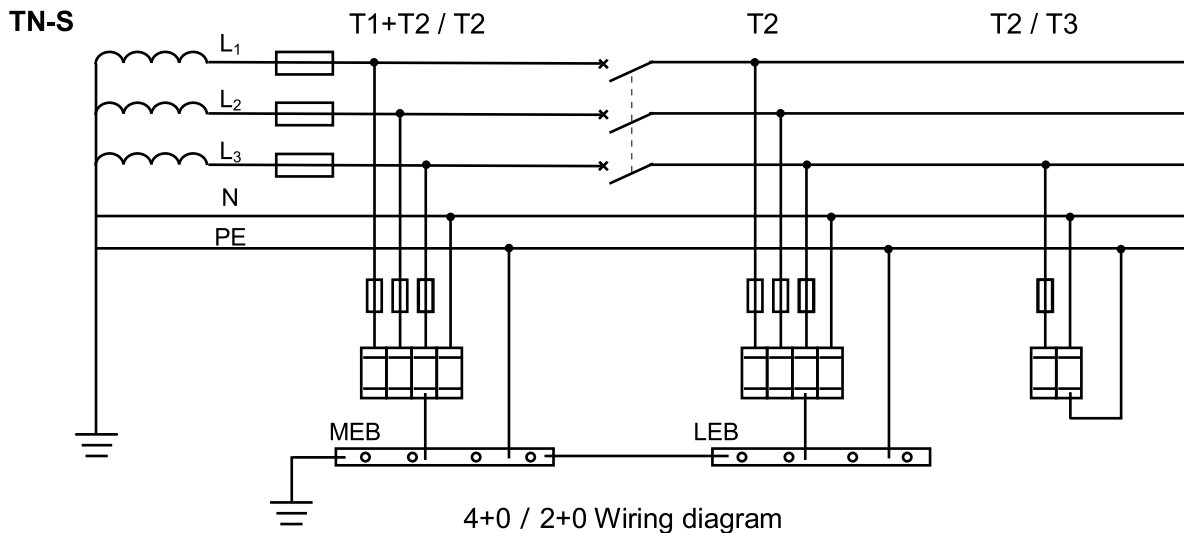


"4+0"  
Connection



"3+1"  
Connection

# Connection of AC SPD in networks



# Connection of AC SPD in networks

