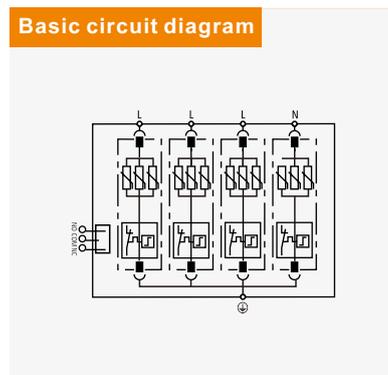
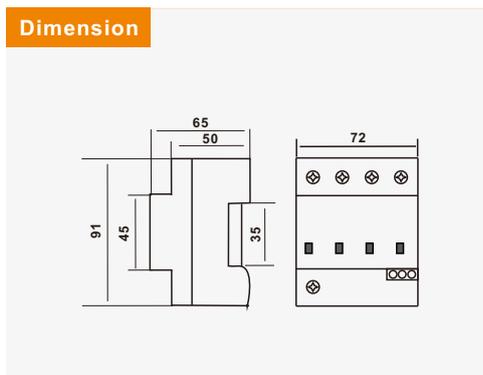


## TRS8 Series SPD

SPD type 1+2–surge arrester, MOV+GDT  
visual fault signalling

- Varistor and GDT surge arrester
- Installation to main distribution or 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)



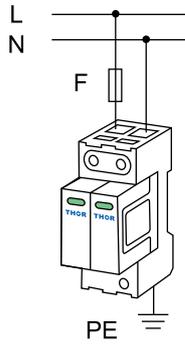
Parameter/Type		TRS8-B+C
Nominal voltage	$U_n$	230V AC
Maximum operating voltage	$U_c$	275V AC
Lightning impulse current(10/350 $\mu$ s)	$I_{imp}$	12,5kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	30kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	60kA
Voltage protection level	$U_p$	$\leq 1,5kV$
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~ +70°C
Humidity range		5%~95%
Mounting		DIN rail 35 mm
According to standard		EN 61643–11:2012, IEC 61643–11:2011/T1+T2

# AC SPD Wiring diagram

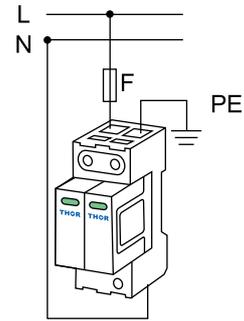
## Single phase system



"1+0"  
Connection

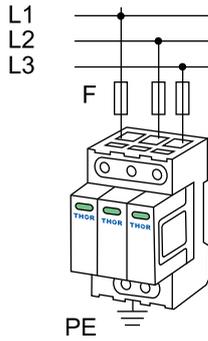


"2+0"  
Connection

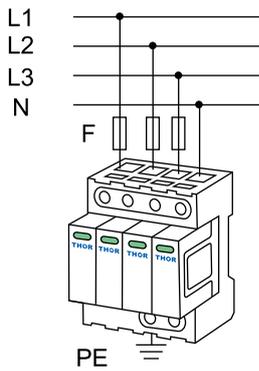


"1+1"  
Connection

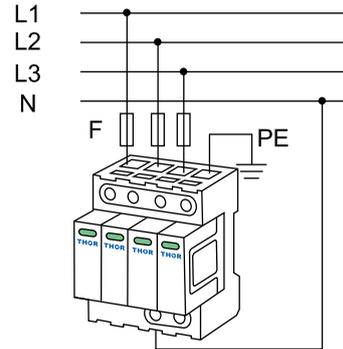
## Three phase system



"3+0"  
Connection

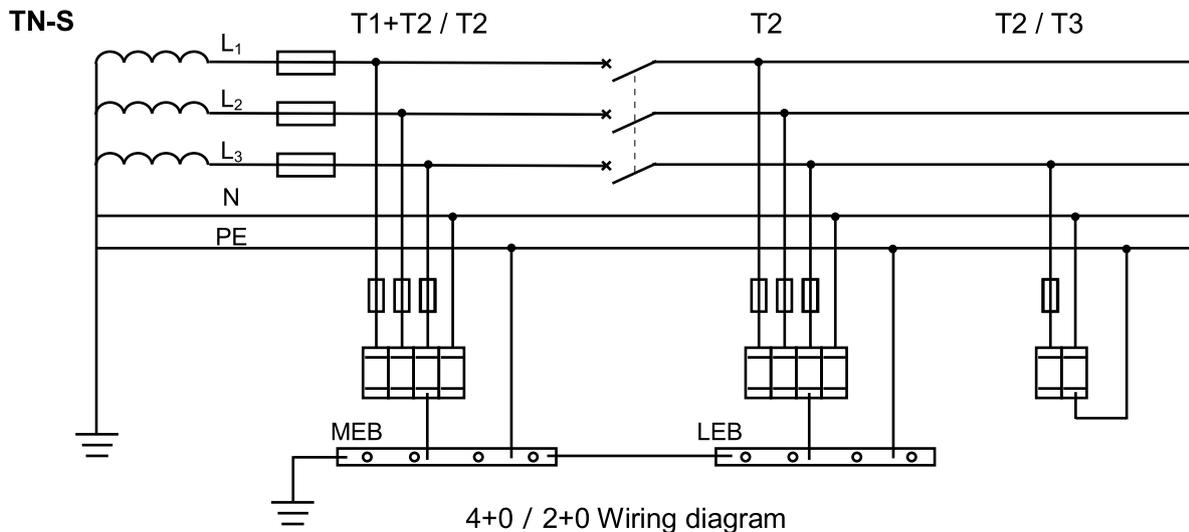


"4+0"  
Connection



"3+1"  
Connection

# Connection of AC SPD in networks



# Connection of AC SPD in networks

