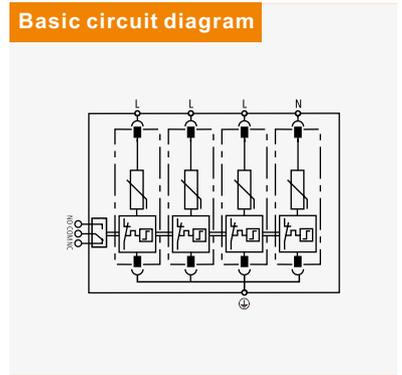
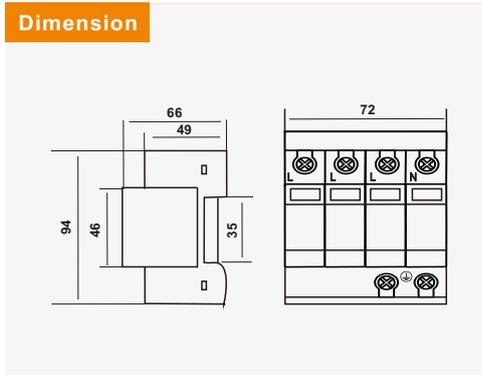


TRS4 Series SPD

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

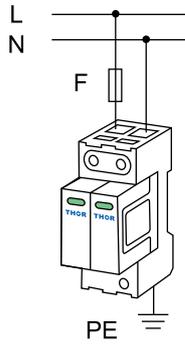
| Parameter/Type  |           | TRS4–D10  | TRS4–D20     | TRS4–C40     | TRS4–B60     |
|---|-----------|---|--------------|--------------|--------------|
| Nominal voltage   | $U_n$     | 230V AC   |              |              |              |
| Maximum operating voltage                               | $U_c$     | 275V AC   |              |              |              |
| Nominal discharge current (8/20 $\mu$ s)                | $I_n$     | 5kA   | 10kA         | 20kA         | 30kA         |
| Maximum discharge current (8/20 $\mu$ 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 <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/T2                        |              |              |              |
| Remarks   |           | Other $U_c$ can be customized. (420VAC, 385VAC, 320VAC, etc.) |              |              |              |

# AC SPD Wiring diagram

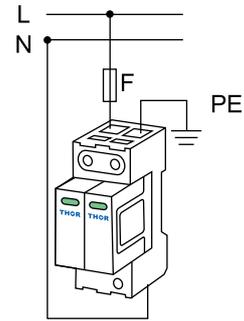
## Single phase system



"1+0"  
Connection

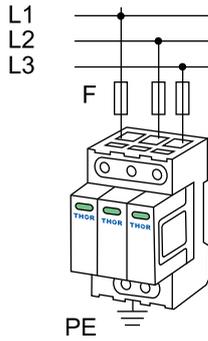


"2+0"  
Connection

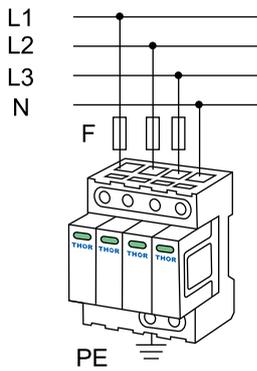


"1+1"  
Connection

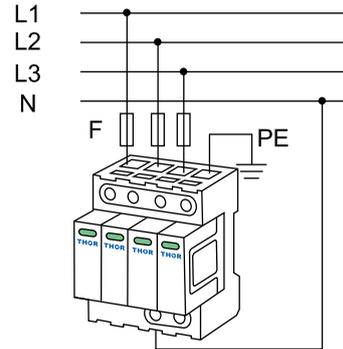
## Three phase system



"3+0"  
Connection

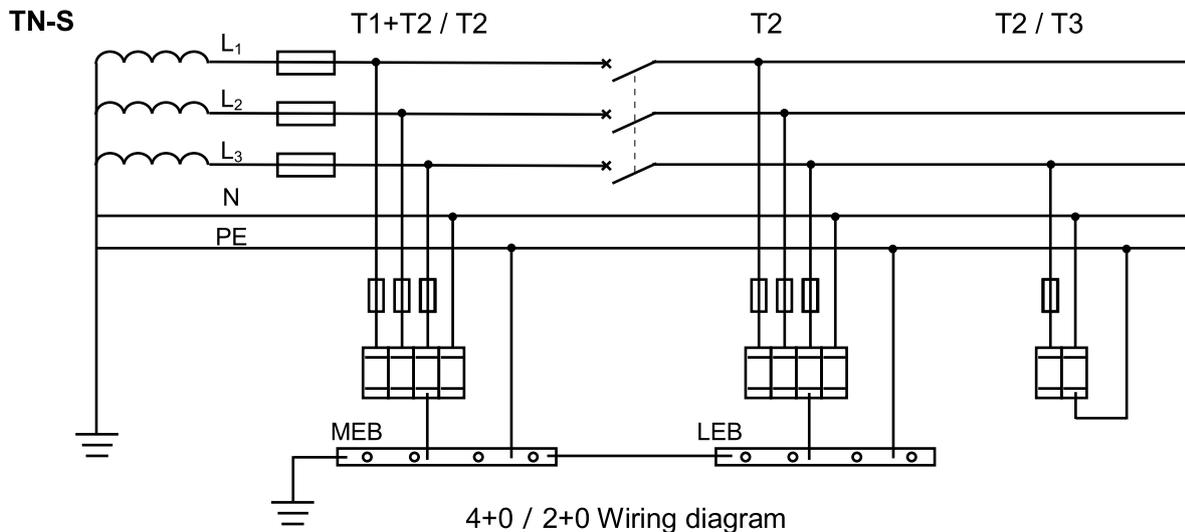


"4+0"  
Connection



"3+1"  
Connection

# Connection of AC SPD in networks



4+0 / 2+0 Wiring diagram

# Connection of AC SPD in networks

