Features
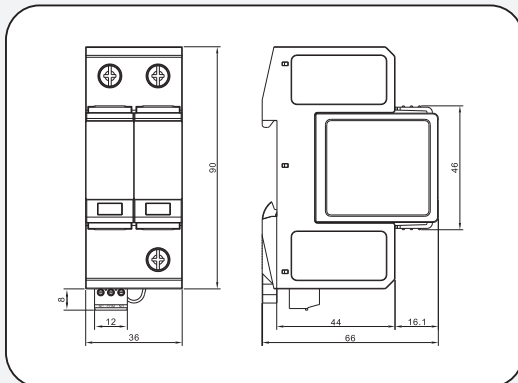
- Non-destructive screening technology for MOV
- Reliable thermo disconnect device
- High discharge capacity
- Consisting of a base part and pluggable modules
- Easy replacing and anti-vibration due to module releasing and locking system
- Multifunctional terminals for connecting conductors and busbars
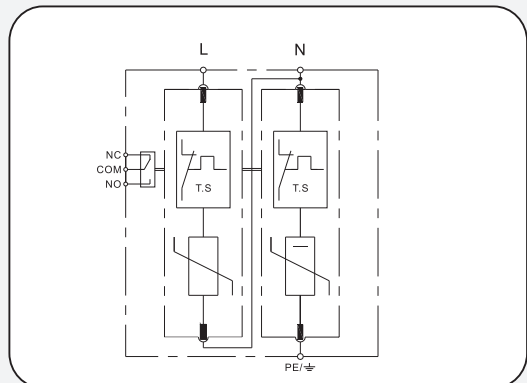- Visual and remote status indication

Approval

TUV、CE、RoHS、UL 94V−0

DIN rail, Type 3 / Class III multi-purpose SPD with anti-vibration pluggable module for use in TT or TN single-phase system at boundaries from LPZ 0_B-1 and higher.

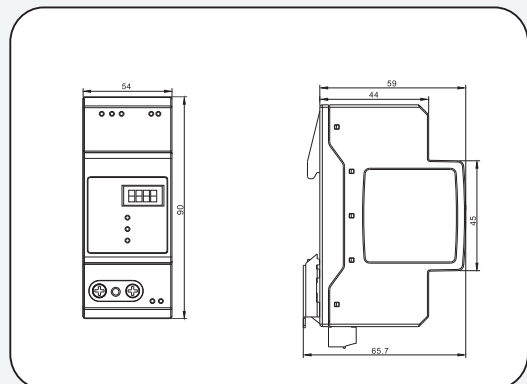## Dimension drawing

Circuit diagram

Monitoring module

Function: degradation monitoring
lightning monitoring
system communication

Dimension drawing

name	type	page
SPD monitoring module	LCS1-11	84

Type Part No.	T150AC–1+1 93 11 20	T150AC–1+1-S 93 11 21
Electrical		
SPD according to IEC 61643–1/11	Class III	
SPD according to EN 61643–11	Type 3	
SPD according to GB 18802.1	Class III	
Number of ports	1	
Technology	MOV	
Max. continuous operating voltage (U_c)	150Vac	
Nominal discharge current (8/20 μs) (I_n)	3 kA	
Combined impulse (UOC)	6 kV	
Voltage protection level (U_P)	0.55kV	
Response time (t_A)	⩽ 25 ns	
Max. overcurrent protection	⩽ 25 AgL / gG	
Short circuit withstand capability	6 kA$_{rms}$	
Temporary overvoltage (TOV) (U_T)	— —	
TOV characteristic	— —	
Mechanical		
Method of mounting	35 mm DIN rail	
Enclosure dimensions (HxWxD)	90 mm × 36 mm × 66 mm	+ 90 mm × 54 mm × 66 mm
Cross-sectional area (max.)	25 mm² stranded / flexible	
Cross-sectional area (min.)	1.5 mm² stranded / flexible	
Stripping length terminals	10 mm	
Torque contacts	3 N*m	
Indication		
Operating status/fault indication	Green / red	
Type of remote signaling contact	Changeover contact	
Switching capacity	125 Vac / 1 A, 125 Vdc / 0.2 A	
Cross-sectional area for remote signaling terminals (max.)	1.5 mm²	
Stripping length for remote signaling terminals	7 mm	
Torque contacts for indication terminals	0.2 N*m	
Environmental		
Location category	Indoor only	
Operation temperature range (T_U)	-40°C … +70°C	
Relative humidity	⩽ 95%	
Operation altitude	⩽ 4 km	
Degree of protection	IP 20	
Enclosure material	Thermoplastic, UL 94 V-0	
Monitoring		
Communication mode	— —	RS485/ZIGBEE
Monitoring approach	— —	Remote signaling of SPD, Action time of lightning, Air-switch
Action current of lightning time	— —	current of lightning ⩾ 3KA
Reset	— —	software