

Single Pole SPD S275/2P-S

③ TPAE

Patent

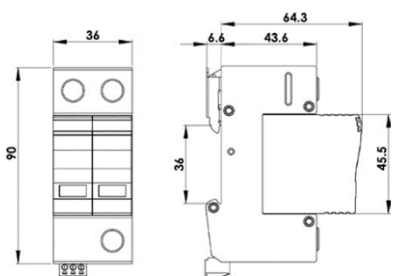


- ② KEMA certified T2 SPD with high energy MOV technology
- ② High reliability due to global patented thermally protected with special arc-extinguish device (TPAE technology).
- ② High surge current discharge capacity up to 40kA 8/20
- ② Pluggable module for easy replacement
- ② Degradation indication & optional remote signal contact.
- ② Comply with IEC/EN 61643-11, UL 1449 4th, IEEE C62.41, CSA C22.2



Model		SP275/2P-S
Compliance		EN/IEC 61643-11, UL 1449 4 th
Category IEC/EN/UL		Class II / T2 / Type 1ca
Nominal Voltage		220-230VAC 50-60Hz
Max. Continuous Operating Voltage (AC/DC)	U _c	275V / 350V
Technology		High energy MOV technology TPAE technology (patented)
Ports/Protection Mode		1 / L-PE or L-N or N-PE
Nominal Discharge Current (8/20μs)	I _n	20kA
Max. Discharge Current (8/20μs)	I _{max}	40-50kA
Max Impulse Current (10/350μs)		10kA
Voltage Protection Rating 6kV 1.2/50 μs/ 3kA 8/20 μs	VPR	≤980V
Voltage Protection Level @I _n IEC61643	U _p	≤1.4kV
Temporary Overvoltage TOV —Withstand Mode	U _{toV}	337V/5s
Residual Current	I _{PE}	<0.1mA
Short Circuit Current Rating per UL 1449	I _{scr}	200kArms
Short-Circuit Current Rating per IEC 61643	I _{sc}	10kArms
Response Time	t _A	≤5ns
Backup Fuse (only required if not already provided in mains)		125A gL/gG
Environment		Temperature Range: - 40°C ~ +85°C; Humidity: ≤95%; Altitude: ≤2000m
Cross-Section of Connection Wire		Single-strand 35mm ² ; multi-strand 25mm ²
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3 43880
Enclosure Material		thermoplastic; extinguishing degree UL94 V-0/ Metal (optional)
Degree of Protection		IP20
Installation Width		1 module, DIN 43880
Failure Indication /Status		RED- Failure
Remote Alarm Contact		Yes
Approvals, certification		KEMA, CE
Additional Data for Remote Alarm Contacts		
Remote Alarm Contact Type		Isolated Form C
Switching Capability U _n /I _n		AC: 250V/0.5A; DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of Connecting Wire		Max. 1.5mm ² (or # 16AWG)

④ Dimension Drawing



④ Basic Circuit Diagram

