



**Q3 ENERGIE**  
GmbH & Co. KG



# Q3-PV1500 Surge Protector PV

Surge Protection Combined Arresters Type T1+T2

Locations: Generator Connection Boxes ▪ Stringboxes  
Inverters ▪ Fireman's switch QFire

## Technical specifications

Electrical Characteristics	Q3-PV1500
Maximum operating voltage	1.500 VDC
Rated leakage current $I_n$ (8/20 $\mu$ s)	20 kA
Pulse leakage current $I_{imp}$ (10/350 $\mu$ s)	6,25 kA
Total leakage current (10/350 $\mu$ s) $I_{total}$	12,5 kA
Total leakage current (8/20 $\mu$ s) $I_{total}$	40 kA
Maximum leakage current $I_{max}$	40 kA
Response time $t_A$	<25ns
SPD module	High Energy MOV
Standards (compliance)	IEC 61643-31:2018, CE, EN 50539-11:2013+A1:2014,
Certifier	TÜV Rheinland
Status indicator	Remote signalling contact, green/red indicator
Mechanical and Environmental	Q3-PV1500
Operating ambient temperature	-40° C ... 70° C
Humidity (non-condensing)	5%...95%
Tightening torque	4,5 Nm
Screw contacts	2 AWG starr, 4 AWG flexible
Mounting method	DIN Rail, 35mm, EN 60715
Enclosure material	Thermoplast, UL 94 V-0
Dimensions l - w - t (mm)	54 - 90 - 81

