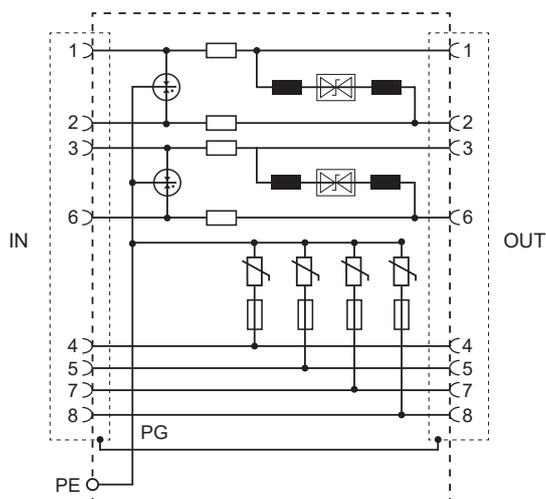


## CAT.6 / Power Over Ethernet Surge Device



Part No. 630043



Type	BS POE 7.5V	
	RJ45 interface	Power supply line
Nominal voltage	$U_n$ 5V-	48V-
Std clamp voltage(s)	$U_c$ 7.5V-	60V-
Nominal discharge current (80/20 $\mu$ s)	$I_n$ 2kA	2.5kA
Lightning impulse current (10/350 $\mu$ s)	$I_{max}$ 0.5kA (line-PG)	0.5kA
Peak pulse current (10/1000 $\mu$ s)	132A (line-PG)	50A
Voltage protection level at $I_n$	$U_p$ $\leq$ 60V (line-line) $\leq$ 60V (line-PG)	$\leq$ 200V
Response time	$t_A$ $\leq$ 1ns (line-line) $\leq$ 100ns (line-PG)	$\leq$ 25ns
Bandwidth	$f_G$ 165MHz	
Max. data transmission rates	$V_s$ 100Mbits/s	
Protection lines	1 / 2 / 3 / 6	4 / 5 (+). 7 / 8 (-)
Connection (input/output)	-40°C...+80°C	
Mounting	RJ45 shield socket	
Earthing via	Earthing screw	
Shield earthing	Indirectly via integrated spark gap	
Dimension	120mm x 27mm x 25.5mm	
Test standards	IEC 61643-21; GB 18802.21; YD/T 1542	
Certification	CE (LVD, EMC)	

- Combined arrester handles Lightning & Surges
- Combined Category D, C, B tested device to BSEN61643
- Suitable to protect twisted pair Ethernet networks, including Power over Ethernet (POE)
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- RJ45 connections
- Connects in series with the network cable near to where it enters or leaves the building
- Suitable for systems signalling on up to eight wires of either shielded or unshielded twisted pair cable
- Allows protected equipment to continually operate without disturbances
- Very low let through voltage / enhanced protection on all lines
- Low in line resistance means no impairing of signal strength