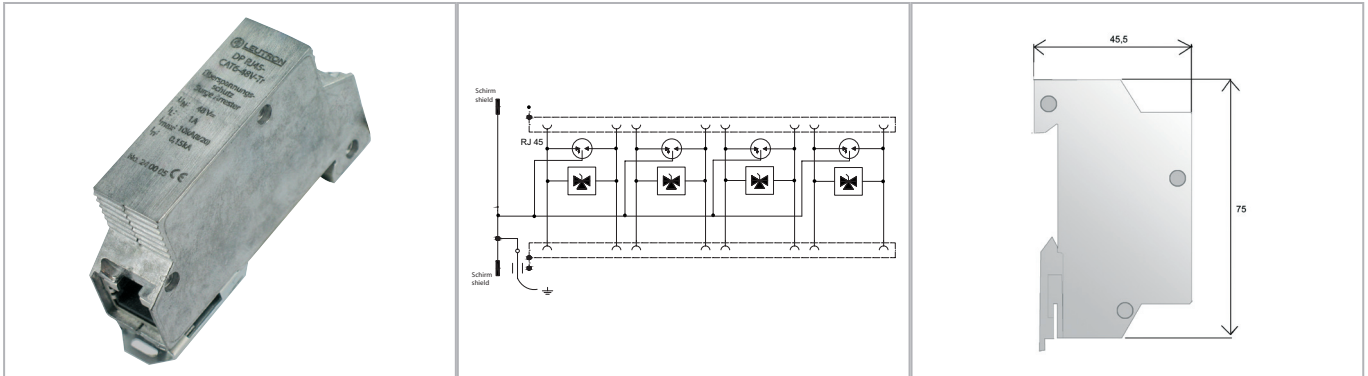


Datasheet

Surge protection for information technology and telecommunication installations

Cat6 Application



Compact surge protective module for the protection of data networks, and network devices such as hubs, switches, server. The adaptor plug style provides an easy application in cable ducts or directly at the terminal equipment. All 8 signal lines (4 pair of wires) are protected simultaneously. The protection device fulfills the IEEE standards PoE (802.3af-2003), PoE Plus (802.3at-2009) and 4-pair PoE (802.3bt-2018).

- Suitable for Cat. 6 / class E applications (up to Gbit Ethernet)
- Applicable at the boundaries LPZ 0A - 2 and higher
- Test standard: IEC 61643-21 / EN 61643-21
- RJ45 SPD for PoE (Power over Ethernet)
- Mounting on 35 mm DIN rail (EN 60715)
- EAC certification

Technical Data		DP RJ45-CAT6-48V-Tr
IEC category		D1 / C2 / C1 / C3
Nominal voltage DC	UN	48 V=
Max. continuous operating voltage DC	Uc	48 V=
Nominal current	IL	1 A
D1 lightning impulse current (10/350 µs)	Iimp	1 kA
C2 nominal discharge current (8/20 µs) line-line	In	0,15 kA
C2 nominal discharge current (8/20 µs) total	I _{max}	10 kA
Protection level at In (line-line)	Up	150 V
Protection level at In (line-earth)	Up	550 V
Max. frequency	fG	250 MHz
Capacitance wire-wire	C	≤ 30 pF
Capacitance, line-earth	C	≤ 25 pF
Response time	tA	1 ns
Terminal input/output		RJ 45, shielded
Degree of protection (IEC EN 60529)		IP 20
Housing material		zinc diecasting
Dimensions (L x W x H)		19 x 75 x 46 mm

Order Data	
Product	DP RJ45-CAT6-48V-Tr
Article-No.	24 00 05