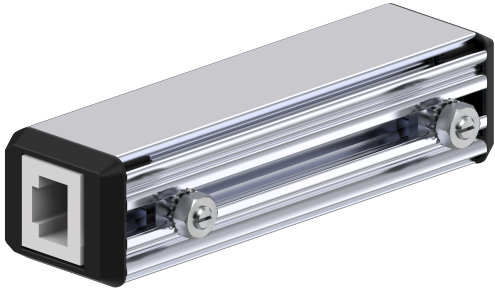


Data Line Protector for Ethernet Cat 5 in channel class D
3414.99.0001

Properties

- Coarse and fine protection
- All lines protected
- Maintenance free
- Conform to Category 5 in channel D (ISO/IEC 11801; EN 50173-1)
- Supports Power over Ethernet (PoE) IEEE 802.3bt
- Shield and ground separated



Product configuration	
Main path connectors	Port 1: unprotected, RJ45 jack 8-Pin jack (female) Port 2: protected, RJ45 jack 8-Pin jack (female)
Mounting and grounding	M4 (screw)
Interface and material data	
Housing material / plating	Aluminium
Electrical data	
Impedance	100 Ω
Frequency frame	0 MHz to 100 MHz
Insertion loss typical	≤ 0.5 dB
Nominal voltage U_N	60 V
Operating voltage U_C	max. 60 V DC, pair to pair
Operating voltage U_C	max. 42.4 V AC, pair to pair
Operating voltage U_C	6 V , line to line
Nominal current I_L	1.5 A, per pair
Nominal discharge current I_n	100 A, (test pulse 8/20 μs), line to line
Nominal discharge current I_n	2.5 kA, (test pulse 8/20 μs), line to ground
Total nominal discharge current I_n	10 kA, (test pulse 8/20 μs), all lines to Ground
Clamping voltage	15 V, line to line
Clamping voltage	90 V, line to ground
Voltage protection level U_p	typ. 20 V, (test pulse 4 kV 1.2/50; 2 kA 8/20 μs), line to line
Voltage protection level U_p	typ. 700 V, (test pulse 4 kV 1.2/50; 2 kA 8/20 μs), line to ground

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Electrical remarks	
Electrical remarks	All eight lines protected Pinning: 1/2, 3/6, 4/5, 7/8
Mechanical data	
Weight	88 g
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP20
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. D
Moisture resistance according	MIL-STD-202, Method 106
Comment	
	Grounding cable 1.5 mm ² (AWG 16), 60 cm length included
Ordering Information Table	
Item number	Item description
23033695	3414.99.0001

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