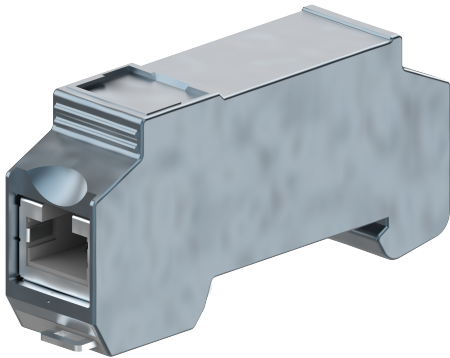


Data Line Protector for Ethernet Cat 6 in channel class E

3414.99.0021

Properties

- Coarse and fine protection
- All lines protected
- Maintenance free
- Conform to Category 6 in channel E (ISO/IEC 11801; EN 50173-1)
- Supports Power over Ethernet (PoE) IEEE 802.3at
- 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	35 mm DIN rail acc. EN 60725
Interface and material data	
Housing material / plating	Zinc Alloy
Electrical data	
Impedance	100 Ω
Frequency frame	0 MHz to 250 MHz
Nominal voltage U_N	58 V
Operating voltage U_C	max. 58 V DC, pair to pair
Operating voltage U_C	max. 41 V AC, pair to pair
Nominal current I_L	1 A, per pair
Nominal discharge current I_n	150 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
Capacitance	typ. 30 pF, line to line
Capacitance	typ. 25 pF, line to ground
Voltage protection level U_p	typ. 180 V, (test pulse 1kV/μs, C3), line to line
Voltage protection level U_p	typ. 500 V, (test pulse 1kV/μs, C3), line to ground
Electrical remarks	
Electrical remarks	All eight lines protected Pinning: 1/2, 3/6, 4/5, 7/8

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Mechanical data			
Weight		113 g	
Environmental data			
Operation temperature		-40 °C ... 80 °C	
Storage temperature		-40 °C ... 80 °C	
Ingress protection (IP Rating)		IP20	
Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
84108159	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	7a
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
Ordering Information Table			
Item number		Item description	
84108159		3414.99.0021	

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