

## Data Line Protector for Ethernet Cat 6 in channel class E

3414.99.0022

### 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
- Waterproof metal housing for permanent outdoor installations



### 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	M6 (screw)
Mounting and grounding	hose clamp to a mast / pole

### Interface and material data

Housing material / plating	Aluminium
Hose clamp material / plating	Stainless Steel
Cable gland material	PA66 (Polyamide)

### Electrical data

Impedance	100 $\Omega$
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 $\mu$ s), line to line
Nominal discharge current $I_n$	2.5 kA, (test pulse 8/20 $\mu$ s), line to ground
Total nominal discharge current $I_n$	10 kA, (test pulse 8/20 $\mu$ s), all lines to Ground
Capacitance	typ. 30 pF, line to line
Capacitance	typ. 25 pF, line to ground

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**Electrical data**

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	860 g
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**Environmental data**

Operation temperature	-40 °C ... 80 °C
Storage temperature	-40 °C ... 80 °C
Ingress protection (IP Rating)	IP68

**Comment**

	Cable gland for cable diameter 4 - 6 mm Mounting bracket or screw M6 (cable shoe eye > 6.5mm)
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**Ordering Information Table**

Item number	Item description
84122191	3414.99.0022

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