



SUHNER® DATA LINE PROTECTOR DATA SHEET

TYPE 3414.99.0003

Article number: 23041821 Rev: a

Description

Data Line protector

Hybrid Protector

Shield and Ground separated

Patch cable included

Cat 5e specified



Product Configuration

Connectors	RJ45 jack (female)
Mounting and grounding	MH154, screw M4, grounding cable

Technical Data

Impedance:	100 Ω	
Frequency range	DC to 100 MHz	
Insertion loss	≤ 0.5 dB	
Voltage rating:	per Pair	± 6 V max.
Current rating	per Pair	1.5 A max.
Current handling capability	IEC 61000-4-5:	
	Shield – Ground	6 kA
	Line – Ground	2.5 kA
	Line – Line	100 A
Related protection levels	IEC 61000-4-5:	
	Shield – Ground	700 V
	Line – Ground	700 V
	Line – Line	20 V
Clamping voltage	Shield – Ground	90 V
	Line – Ground	90 V
	Line – Line	15 V
Response time	2 ns	
Operating temperature	-40°C to + 85°C	
Waterproof degree	IP20 (according to IEC 60529, data refer to the coupled state)	

WAIVER!

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HUBER+SUHNER

HUBER+SUHNER AG
 Protection+Federline Components
 CH-9100 Herisau
 Phone +41 (0)71 353 41 11
 Fax +41 (0)71 353 47 51
 www.hubersuhner.com

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Piece Parts

Housing

Material

Aluminum alloy AlMgSi 0.5

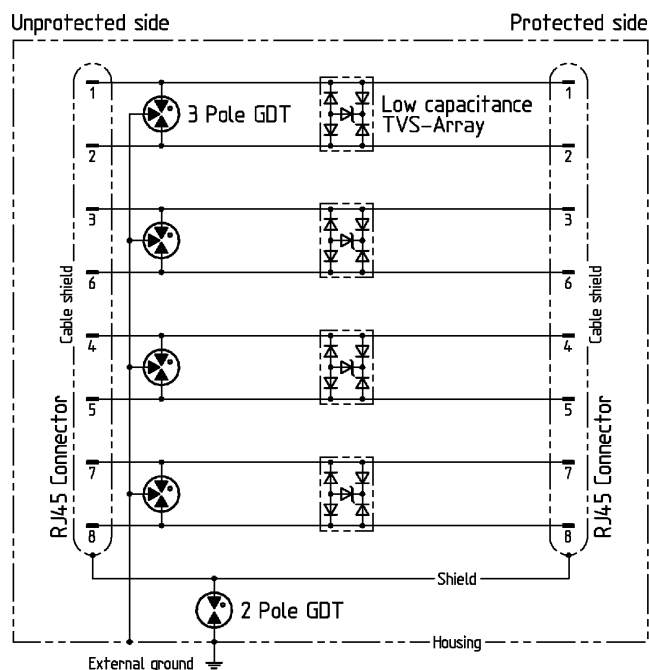
Surface Plating

chromatized

Remarks:

- Each pair protected with gas capsules and TVS diodes (all 8 Pins of the RJ45 connector protected)
- Grounding screws included
- Application with shielded or unshielded twisted pair cables possible (RJ45 shields are connected)
- For proper function the Protector has to be connected to ground via housing or shield

Circuit diagram



Attachment

Related Documents

[Outline drawing](#)

[Mounting/ Grounding instruction](#)

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