

Protectors for Ethernet Cat 5 in channel class D lines

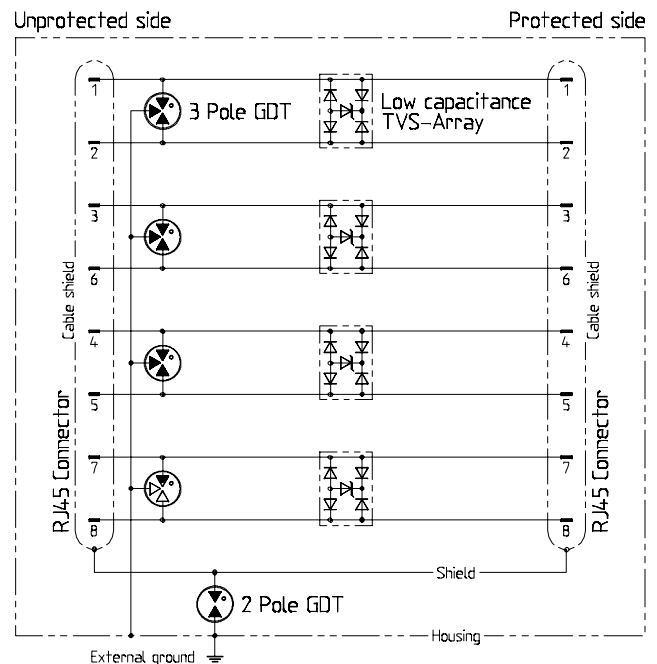
Description

These optimized 3414 data line protectors can be used in state of the art Ethernet twisted pair systems class D channel link (Cat 5), xDSL and other high speed data

transmission applications. Series 3414 includes hybrid units which integrate first stage and fine protection components

Features

- Coarse and fine protection
- Fast response time
- Conform to installation Cat 5 in channel (class E) (ISO/IEC 11801, ANSI/TIA/EIA-586-B, EN 50173)
- Suitable for Ethernet
- Supports «Power over Ethernet» (PoE acc. IEEE 802.3at)
- Interface RJ45
- All eight lines protected
- Shield and housing/grounding separated
- Shield through-connected
- Several grounding and mounting options
- Waterproof versions up to IP rating IP68 (according to product detail specification)
- Easy mountable
- Maintenance free



Specifications

Electrical data	
DC/RF:	
Data transmission rate	1000 Mbps
Frequency range	DC - 100 MHz
Impedance	100 Ω
Operating voltage U_c max.	60 V DC, 42.4 V AC (pair to pair)
Operating current I_L	1.5 A (per pair)
Connector interfaces	RJ45 jack
Protection:	
Surge current handling capability I_n (8/20 μs):	100 A (line to line) 10 kA total (all lines to PE) 6 kA (shield to PE)
Environmental data	
Operating temperature range	-40 °C up to +85 °C

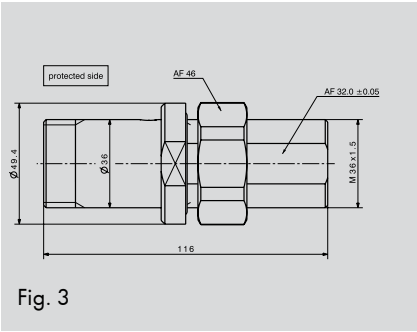
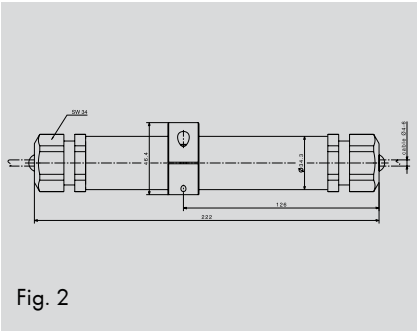
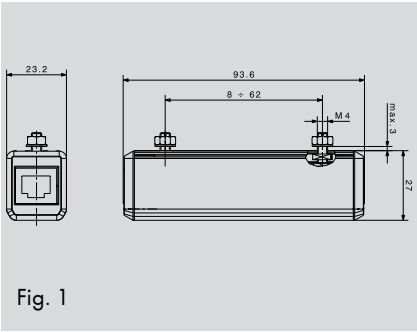
Series 3414 ethernet lines



H+S type	Waterproof	Mounting/grounding	Description	Option	Figure
3414.99.0003*	IP20	wire, screw	general purpose		Fig. 1
3414.99.0008	IP68	wire, screw, clamp (incl.)	water proof metal housing for permanent outdoor installations		Fig. 2
3414.99.0009	IP68	bulkhead	rugged metal housing for temporary outdoor installations	optional interconnect accessories	Fig. 3

* patch cable 12 cm (4.72 in.) included

All dimensions in mm



Accessories for 3414.99.0009 data line protector

H+S type	Description	Figure
9073.99.0002	RJ45 plug kit, field assembly	Fig. 4
9073.99.0004	protective cap for data line protector	Fig. 5
9073.99.0003	protective cap for RJ45 plug kit	Fig. 6

All dimensions in mm

