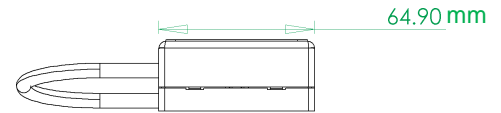
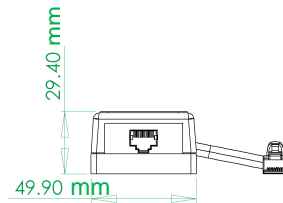
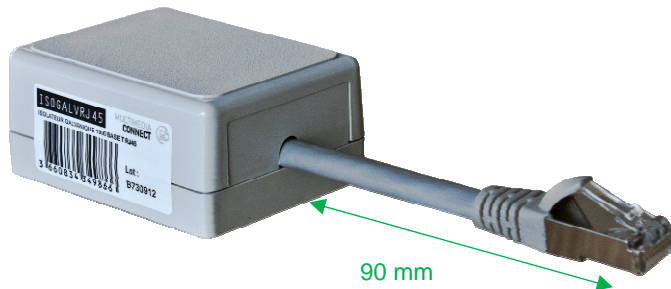


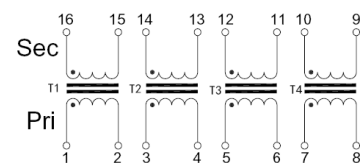
REF : ISOGALVRJ45

Network Galvanic Isolator



Weight : 58 gr

SCHEMATIC:

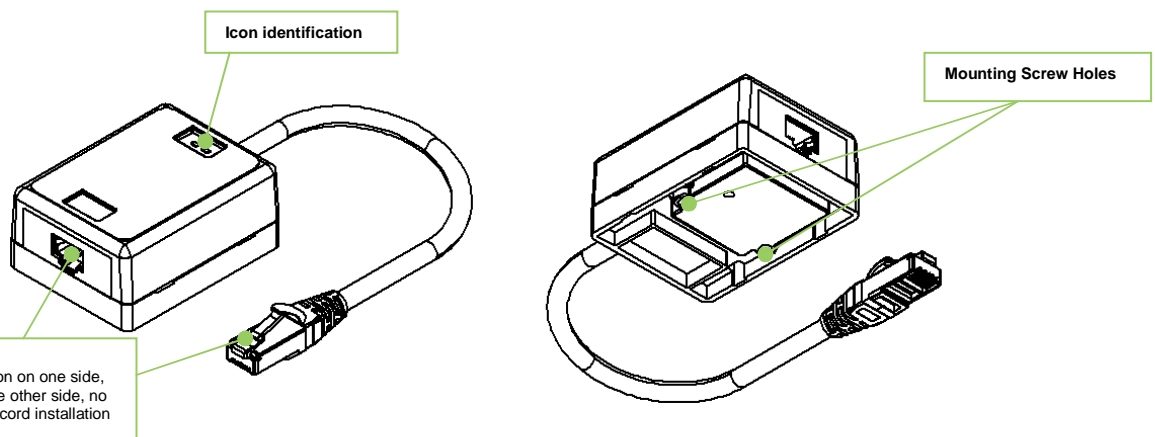


Descriptions

- Working differential current protection between network equipments
- Transparent in network connection, do not effect network operation
- Network performance: IEEE 803.2 10/100/1000-BaseT
- Compliant with EN 60601 (Medical electrical equipment safety standard)
- Plug and Play, no additional cable, patchcord, or installation required
- Professional finishing with male-to-female adaptor connection
- Equipped with identification icons
- Integrated screw mounting holes
- Flame retardant housing
- Low loss isolation transformer

Installation Precautions!

- Turn OFF the equipment BEFORE installation, to avoid electric shock
- DO NOT connect POE device to the network galvanic isolator
- Wire-Map error expected when test with Field Testers, this is normal with the isolation transformer
- Insertion loss (attenuation) High at low frequencies due to nature of isolation transformer



REF : ISOGALVRJ45

Network Galvanic Isolator

Standards / performances

Medical electrical equipment

EN 60601

EN 60601-1

EN 60601-2

Electrical Properties

Voltage Withstand between the network connectors

4000 Volts

Return Loss of isolation component

<-6db @ 100 MHz

Standards / performances

Operating Temperature

0~60°C

Operating Humidity

10~90% (non-condensing)

Network Performance

IEEE 803.2 10/100/1000-BaseT

Pin Assignment

T568B

Transmission Length

90m

Test report

Items	Requirements	Primary				Second			
		Twisted 1	Twisted 2	Twisted 3	Twisted 4	Twisted 1	Twisted 2	Twisted 3	Twisted 4
Test 1: Primary winding Open Circuit Inductance (Pri OCL) Unit of measure: uH	500uH M1 N,600uH TYP 100KHz/0.2V	569	854	568	799	816	744	862	660
Test 2: Primary Leakage Inductance (Pri LL) Unit of measure: uH	0.25uHMAX 100KHz/0.2V	0.15	0.12	0.15	0.13	0.14	0.13	0.12	0.13
Test 3: Interwinding Capacitance (CWW) Unit of measure: pF	25pFMAX 100KHz/0.2V	10.2	10.3	9.8	9.4	9.4	10.1	9.8	9.6
Test 4: Primary Direct Current Resistance (Pri DCR) Unit of measure: Ohm	0.5 Q MAX	0.36	0.37	0.35	0.34	0.32	0.35	0.34	0.33
Test 5: High Voltage test for isolation strength (Hipot) Unit of measure: Volt	4000Vrms/0.5m A/2Sec	OK	OK	OK	OK	OK	OK	OK	OK
TURNS RATIO	Pri:Sec =1:1±5%	OK	OK	OK	OK	OK	OK	OK	OK

Ordering informations

Items	Designation	Shielding	Conditioning
ISOGALVRJ45	Galvanic isolator	360°	Unit