15 W POWER OVER ETHERNET INJECTOR DIN rail mounting

Direct integrated on Ethernet network between switch and PoE device Allows upgrade existing network to PoE Supply over Ethernet cable

- Fully protected short circuit, overload, thermal
- 48V output, 15 Watts on RJ45 IEEE 802.3af compliant, class 0,1,2,3
- Universal supply : 85...265 Vac and 120...370 Vdc

Applications

Integration of POE products on networks without POE Switch

Similar products

Compact model with 7 watts output power http://www.loreme.fr/fichtech/AL36poe.pdf

The Power Over Ethernet injector AL53poe is designed to add the PoE functionality to a switch who don't have this function. This power supply is inserted directly on Ethernet network (between a switch and the PoE device) without any configuration.

Detail of Poe system:

The Power over Ethernet system provide the supply through the RJ45 cable to any device compliant with 802.3af POE standard. Principe:

- A RJ45 Ethernet cable have 8 wires inside. Only 4 wires are used for data transmission

- The idea of PoE system is to used the 4 remaining wires for powered a remote device.

- In order to implement this functionality in all equipment manufacturers, standardization has been established (IEEE 802.3af) to ensure compatibility between products.

A injector (PSE : Power Source Equipment) provide a voltage (48V) on the RJ45 cable at the same time as the network signal.

The POE injector has 2 RJ45 sockets:

- 1 "LAN" RJ45 for the Ethernet signal alone.
- 1 "POE" RJ45 for Ethernet + POE power supply

Characteristics AL53POE:

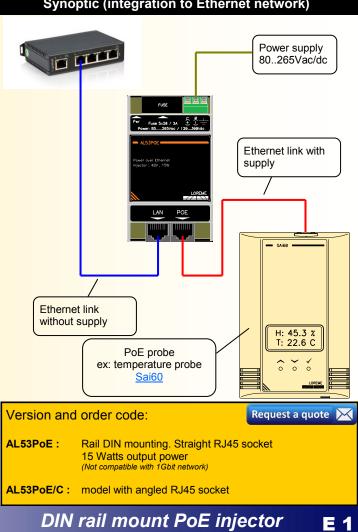
- 48Vdc nominal output voltage,
- continuous short circuit protected,
- overload protected,
- thermal protected (output power limiting)
- natural convection cooling,
- Embedded EMI filter(EN55022 class A)
- Regulated output voltage. Ripple < 200mV
- Limiter (48V) for the output transient protection
- Power limitation to protect the remote device.

Feature:

- DIN rail mounting, IP20 protection rating
- Conformal coating for electronics
- green LED for main power indication
- connection on spring terminal blocks for power supply
- RJ45 socket wiring for network

Prescription of implementation and installation:

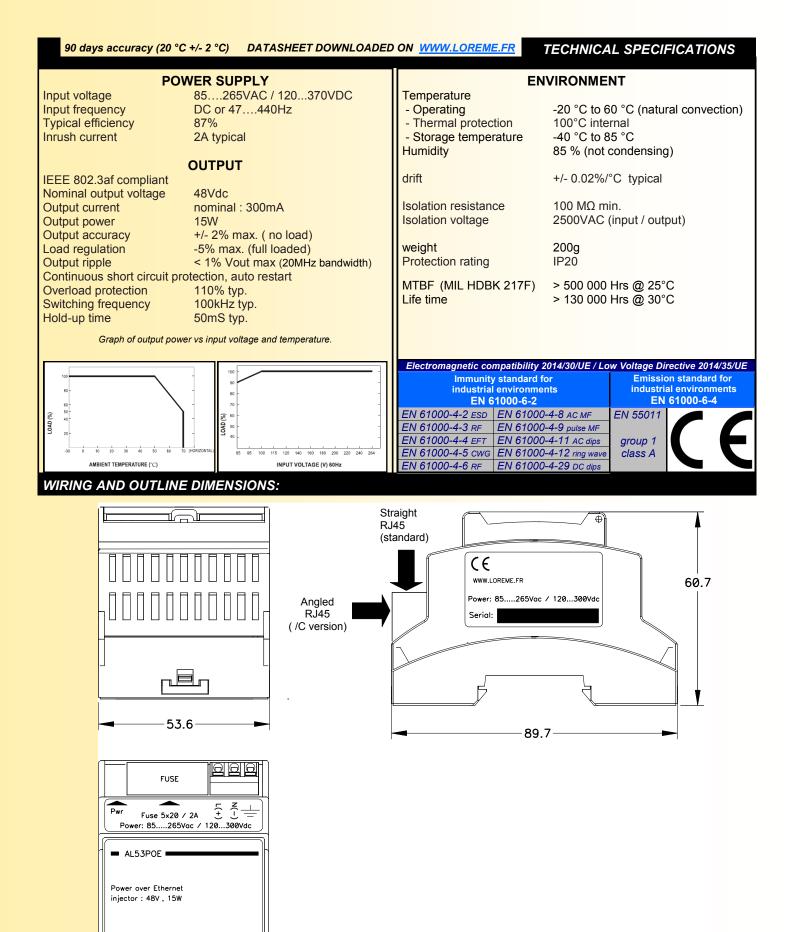
- primary protection fuse recommended (2A slow blow included)





AL53PoE

Synoptic (integration to Ethernet network)



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On account of the constant technologies and standards evolution, LOREME keeps the possibility to modify the specifications of the included products without notice.

LOREME

POE

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LAN