EL900 系列

強固級 10/100BASE-TX -100BASE-FX 光電轉換器



產品介紹

EL900系列為一款強固級10/100BASE-T轉100BASE-SX-LX之光電轉換器，專為嚴苛環境所設計，配備1個10/100Base RJ-45網路埠及1個100Base-FX光纖埠。EL900支援三組電源輸入、斷線告警、Link-Fault-Pass-Through等功能，並具有反極性保護級過電流保護設計。EL900採工業等級設計可防衝擊、防震動及抗電磁波干擾，在-40到75°C寬溫環境下可持續穩定運作。

EtherWAN — "When Connectivity is Crucial."

產品亮點

符合ISA 12.12.01防爆認證標準

通過ISA 12.12.01 Class I, Division 2 classified防爆認證，可應用於煉油廠、礦場等特殊環境

支援Link-Fault-Pass-Through (LFPT)

針對光電轉換器連線狀態提供持續的監控

當連線的其中一端光纖斷訊，LFPT會中斷乙太網路(RJ-45)埠之連線，並告知連線之設備網路連線已中斷

強固等級設計

IP30的外殼堅固耐用、可寬溫操作(-40到75°C)

產品規格

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX and 100BASE-FX

IEEE 802.3x Full duplex and flow control

Forward and Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

Packet Buffer Memory

128K bits

Processing Type

Store-and-forward

Auto Negotiation

Half-Duplex back-pressure and IEEE 802.3x Full-Duplex flow control

Auto MDI/MDIX

Interface

Ethernet Ports

10/100BASE-TX: 1 ports

100BASE-FX: 1 ports

LED Indicators

Per Unit: Power1, Power2, Alarm

Per 10/100BASE-TX port: Link/Activity, 100, Full-Duplex/Collision, LFPT

Per 100BASE-FX port: Link/Activity, Full-Duplex/Collision

Relay Contact

Dry contact with current 0.6A/30VDC

Environment

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Power

Input

10-48VDC (DC Terminal Block)

12VDC (DC Jack)

Power Consumption

3.84W Max., 10-48VDC, 0.29-0.08A

Protection

Overload Current Protection

Reverse Polarity Protection

Mechanical

Casing

Aluminum Case

IP30

Dimensions

50 x 110 x 135mm (W x D x H)

(1.97" x 4.33" x 5.31")

Weight

0.8Kg (1.76lbs.)

Installation

DIN-Rail (top hat type 35mm) or panel mounting

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

ISA 12.12.01

• Class 1, Division 2 group A, B, C & D for hazardous locations

EMC

FCC Part 15B Class A

VCCI Class A

EN 55022

EN 61000-3-2

EN 61000-3-3

EN 61000-6-3

EMS

EN 61000-6-2

• EN 61000-4-2 (ESD Standards)

• EN 61000-4-3 (Radiated FRI Standards)

• EN 61000-4-4 (Burst Standards)

• EN 61000-4-5 (Surge Standards)

• EN 61000-4-6 (Induced RFI Standards)

• EN 61000-4-8 (Magnetic Field Standards)

Environmental Test Compliances

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

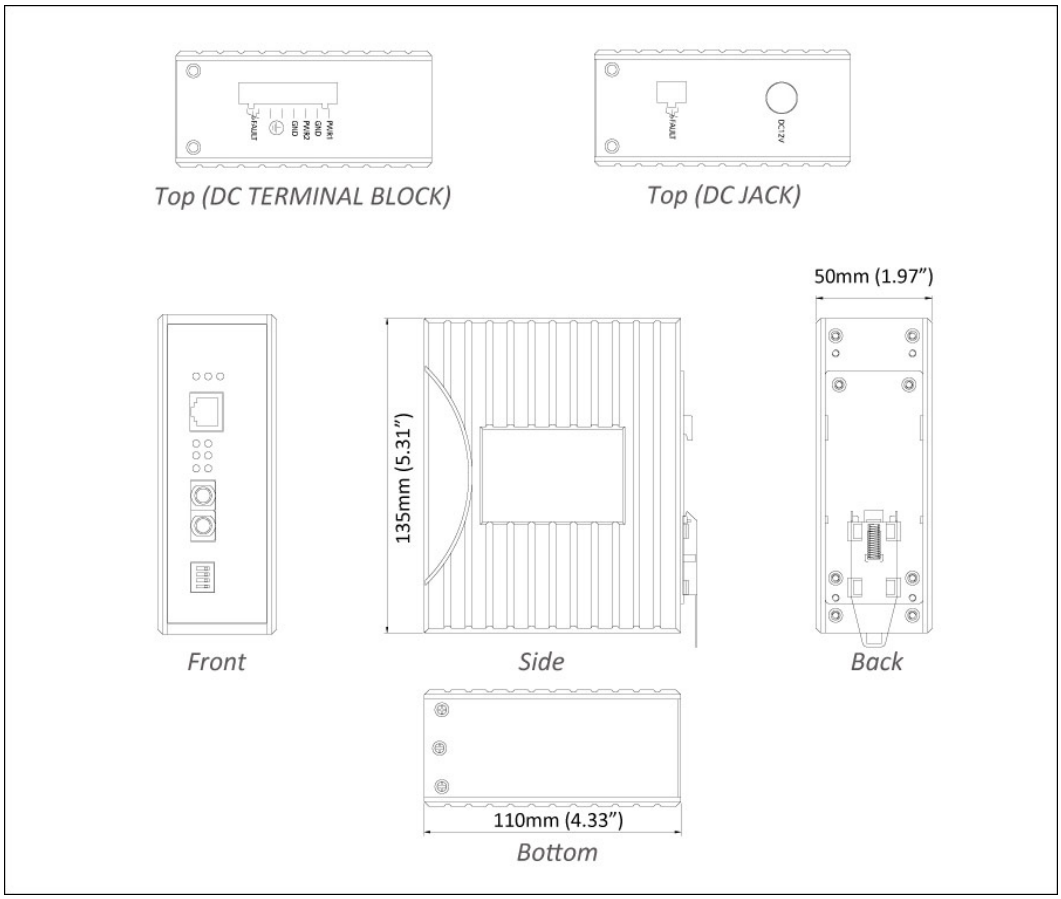
FED STD 101C Method 5007.1 (Free fall w/ package)

IEC 60068-2-27 Ea (Shock)

NEMA TS1/2

* Environmental requirements for traffic control equipment

產品尺寸圖


Top (DC TERMINAL BLOCK)
Top (DC JACK)
50mm (1.97")
135mm (5.31")
Front
Side
Back
110mm (4.33")
Bottom

訂購型號

Model

EL900-A-Y-1-P	10/100BASE-TX to 100BASE-FX Hardened Media Converter

* DIN-Rail mounting kit included.

100FX Fiber Options (Y)

B	Multi Mode (SC) - 2Km (1310nm)
C	Multi Mode (ST) - 2Km (1310nm)
D	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
E	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
F	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
G	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
Q	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
R	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
S	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
T	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km
M	Single Mode (ST) - 20Km (1310nm)
N	Single Mode (SC) - 20Km (1310nm)
O	Single Mode (SC) - 40Km (1310nm)

Power Connector Options (P)

A	DC Terminal Block
B	DC Jack

Optional Accessories

KP-AA96-480	Panel mounting Kit
HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
EDR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply
EX41-145046-1	Power Supply 45W 12VDC with Open Wire (US Input Plug)

EX41-145044-1	Power Supply 45W 12VDC with Latch (US Input Plug)

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