



Product Description

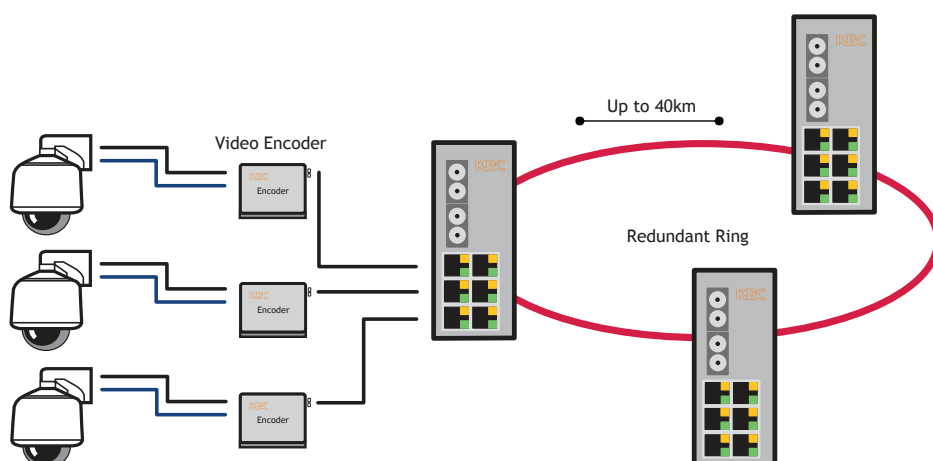
The KBC ESUL6-FL2 Ethernet series is an unmanaged industrial switch designed for use in a wide range of operating temperatures in non-environmentally conditioned, industrial applications. The switch provides connectivity for up to six 10/100 Mbps twisted pair copper ports and two multimode or singlemode 100 Mbps fiber ports. All ports are automatically configured and the plug-and-play design provides ease and speed of installation. Redundancy is offered through the DT-Ring technology that recovers cable or port failures automatically in less than 100ms. The series is available in either DIN rail or wall-mount configurations.



Product Features

- Supports DT-Ring recovery, <100ms
- Redundant power input
- Alarm output for power supply
- Port status indicators
- IP40 protection class

Typical System Configuration



Specifications

Standards

IEEE Standard

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX &
100BASE-FX
IEEE 802.3x Full Duplex

Switch Performance

Switching Method
Transfer Rate
Backplane Switch Capacity
Mac Address Table

Store & forward
148,810 pps
1 Gbps
2k

Contact Closure Alarm Output

Output
Switch Rating

SPST Relay, normally open
120mA @ 350 Vdc

Power

Power Input
Power Supply⁽¹⁾
Power Consumption

9 - 36 Vdc
Dual redundant
Input: 100-240 Vac
Output: +24 Vdc
<6W

Mechanical

Casing
Dimensions (W x H x D)
Weight
Installation

IP40 protection
56mm x 139mm x 120mm
2.20" x 5.47" x 4.73"
1000g
Wall-mount or DIN rail

Environmental

Operating Temperature
Storage Temperature
Operating Humidity
Mean Time
Between Failure (MTBF)

-40° ~+85° C / -40° ~+185° F
-40° ~+85° C / -40° ~+185° F
0 to 95% non-condensing
>300,000 Hours

Connectors

Connectors
10/100 Electrical
100BASE-FX
Contact Closure Alarm
Power⁽²⁾

6 x RJ45
2 x Duplex SC
2-way Screw block terminal
3-way Screw block terminal
(dual redundant)

Approvals

IEC61000-4-2(ESD)

IEC61000-4-3(RS)
IEC61000-4-4(EFT)

IEC61000-4-5(Surge)

IEC61000-4-6(CS)

IEC61000-4-8
(Power Frequency Magnetic Field)
IEC61000-4-12/18
(Damped Oscillatory Wave)
IEC61000-4-10 (Damped Oscillatory)
IEC61000-4-16 30V cont.
(Common Mode Conduct)
FCC CFR47 Part 15/EN55022
IEC61000-6-2 (Industrial Standards)
IEC61850-3 (Substations)
IEEE1613 (Electric Power Substations)
EN50121-4 (Railway Applications)

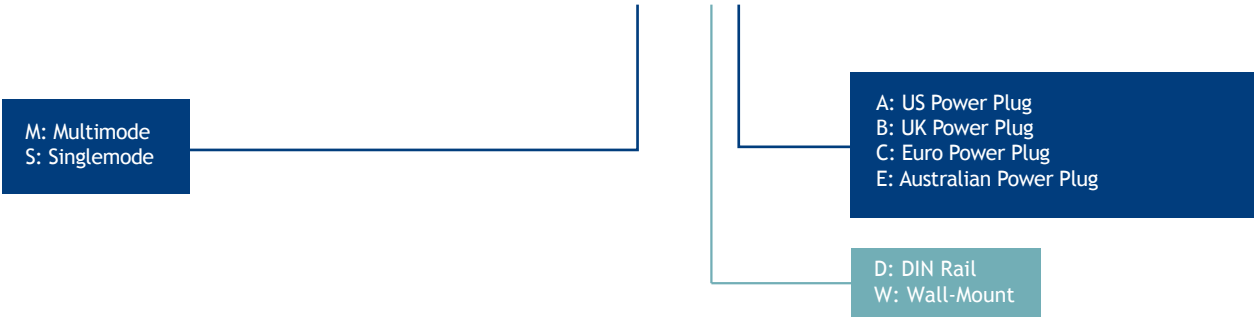
±8kV Contact discharge,
±15kV Air discharge
10V/m (80-1000 MHz)
Power Line ±4kV,
Data Line ±2kV
Power Line ±4kV CM/±4kV
DM
Data Line ±2kV
3V (10 kHz-150 kHz)
10V (150 kHz-80 MHz)
100A/m cont.
1000A/m, 1s to 3s
2.5kV CM, 1kV DM

30A/m
300V, 1s

Class A

Part Number Configurator

ESUL6-FL2-S2-DA



1. Please select the power plug from US Standard, Euro 2 Circular, UK 3 Pin square or Australian when placing order.
2. Power lines are crimped and fitted to screw block connector in factory.

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