



Product Description

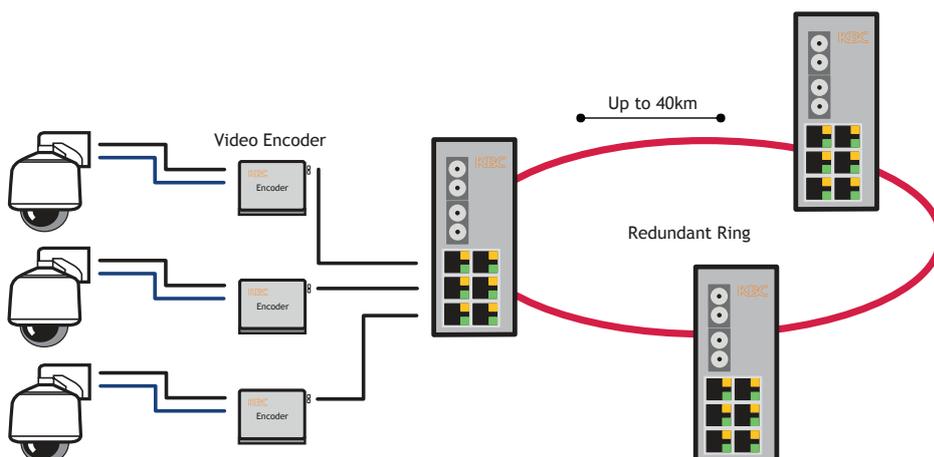
The KBC ESUL6-FL2 Ethernet series is an unmanaged industrial switch designed for use in a wide range of operating temperatures in non-environmentally conditioned, industrial applications. The switch provides connectivity for up to six 10/100 Mbps twisted pair copper ports and two multimode or singlemode 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
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Switch Performance

Switching Method	Store & forward
Transfer Rate	148,810 pps
Backplane Switch Capacity	1 Gbps
Mac Address Table	2k

Contact Closure Alarm Output

Output	SPST Relay, normally open
Switch Rating	120mA @ 350 Vdc

Power

Power Input	9 - 36 Vdc Dual redundant
Power Supply ⁽¹⁾	Input: 100-240 Vac Output: +24 Vdc
Power Consumption	<6W

Mechanical

Casing	IP40 protection
Dimensions (W x H x D)	56mm x 139mm x 120mm 2.20" x 5.47" x 4.73"
Weight	1000g
Installation	Wall-mount or DIN rail

Environmental

Operating Temperature	-40° ~ +85° C / -40° ~ +185° F
Storage Temperature	-40° ~ +85° C / -40° ~ +185° F
Operating Humidity	0 to 95% non-condensing
Mean Time Between Failure (MTBF)	>300,000 Hours

Connectors

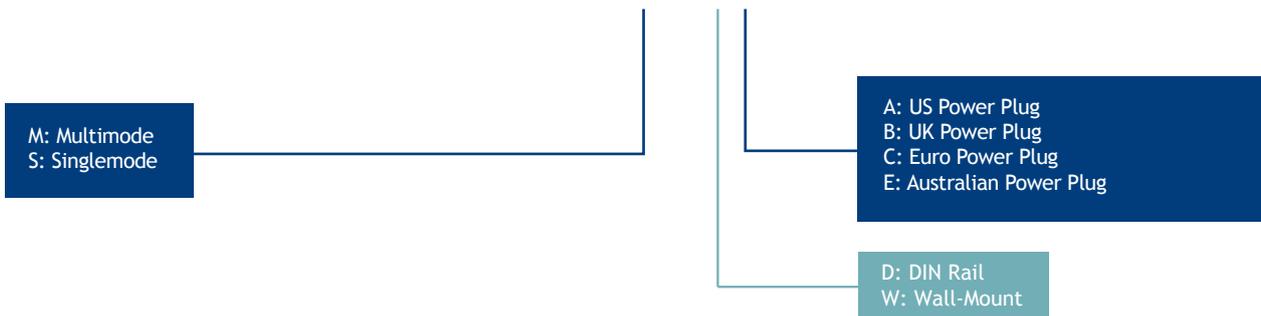
Connectors	6 x RJ45
10/100 Electrical	2 x Duplex SC
100BASE-FX	2-way Screw block terminal
Contact Closure Alarm Power ⁽²⁾	3-way Screw block terminal (dual redundant)

Approvals

IEC61000-4-2(ESD)	±8kV Contact discharge, ±15kV Air discharge
IEC61000-4-3(RS)	10V/m (80-1000 MHz)
IEC61000-4-4(EFT)	Power Line ±4kV, Data Line ±2kV
IEC61000-4-5(Surge)	Power Line ±4kV CM/±4kV DM
IEC61000-4-6(CS)	Data Line ±2kV 3V (10 kHz-150 kHz)
IEC61000-4-8	10V (150 kHz-80 MHz)
(Power Frequency Magnetic Field)	100A/m cont.
IEC61000-4-12/18	1000A/m, 1s to 3s
(Damped Oscillatory Wave)	2.5kV CM, 1kV DM
IEC61000-4-10 (Damped Oscillatory)	30A/m
IEC61000-4-16 30V cont.	300V, 1s
(Common Mode Conduct)	
FCC CFR47 Part 15/EN55022	Class A
IEC61000-6-2 (Industrial Standards)	
IEC61850-3 (Substations)	
IEEE1613 (Electric Power Substations)	
EN50121-4 (Railway Applications)	

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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