

At SIL4 Systems our Mission and Relentless Commitment is to **Safety and High Reliability**

## 8 PORT INDUSTRIAL UNMANAGED EHTERNET SWITCH



### Features

- Compliant with EN50155
- 6x 10/100T(x) M12 connector with IEEE 802.3
- 2x 10/100/1000T(x) M12 connector with relay bypass
- Support Bypass function for non-stop communication even when no power exists
- Built for harsh environments and wide temperature range application
- IP54 housing
- Isolated redundant PoE power 190W



## Specifications

### Technology

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 9-2.3u 100BaseTX IEEE 802.3ab 1000BaseT
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**Processing Type** Store and Forward

### Switch Properties

**Switch Fabric** 5.6Gbps

**Priority Queues** -

**MAC Table Size** 8k

**Packet Buffer** 4Mbits

### Interface

**Network Connector** 6x 10/100T(x) M12 Female D-coded 4-pole with PoE+, 2x 10/100/1000T(x) M12 Female X-coded 8-pole, auto negotiation speed duplex mode, auto MDI/MDI-X

**LED Indicators** Per unit: PWR1, PWR2, Status Ports: Link/Active with highest speed (Green), low speed (Amber)

### Power Requirements

<b>Operation Voltage</b>	LV 9V~36V Operational; 24V Normal MV 16.5~75V Operational; 48V Normal HV 43V~160V Operational; 72V-110V Normal
<b>Connection</b>	M12 Male S-coded 4-pole
<b>Power Consumption</b>	15W without PDs' consumption
<b>Protection</b>	Overload Current Protected, Reverse Polarity Protected

### Mechanical Construction

<b>Enclosure</b>	SECC
<b>Protection Class</b>	IP54
<b>Dimensions</b>	181x99x94 mm (LxWxH)
<b>Weight</b>	1.20 kg
<b>Mounting</b>	Wall Mounting Kits, Optional DIN-Rail Mounting

### Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A CE EN 55032 Class A
<b>EMS</b>	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
<b>Free Fall</b>	IEC60068-2-32
<b>Shock &amp; Vibration</b>	IEC61373
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	EN50155; EN45545-2
<b>MTBF</b>	>100,000 hours
<b>Warranty</b>	5 years
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Ambient Relative Humidity</b>	5 to 95%, (Non-Condensing)

Dimensions (unit = mm)

