

# SEL-2725 Five-Port Ethernet Switch



## Tough Ethernet Switch



### Features and Benefits

#### Can Your Network Take This?



Electrostatic Shock (15 kV)



Heat (+85°C)



Vibration (15 g shock)



Cold (-40°C)

#### Tough

Withstands vibration, electrical surges, electrostatic discharge, fast transients, and extreme temperatures. Meets or exceeds IEEE 1613 (Class 2) and IEC 61850-3 standards for communications networking devices in electric power substations. The SEL-2725 drops no packets throughout this rigorous testing.

#### Reliable

Depend on reliability from SEL. Compare our superior specification compliance, lower price, and ten-year, worldwide warranty to alternatives. Directly power from 12, 24, or 48 Vdc, or 125/250 Vdc or Vac. Observed power supply mean time between failures (MTBF) exceeds 3,000 years.

#### Simple

Easily apply unmanaged "no-settings" switch/media converter. Just connect power, Ethernet devices, and the fiber-optic Ethernet network. LED indicators simplify commissioning and network problem solving. The copper Ethernet ports automatically configure for crossover cables, speed, and half- or full-duplex operation.

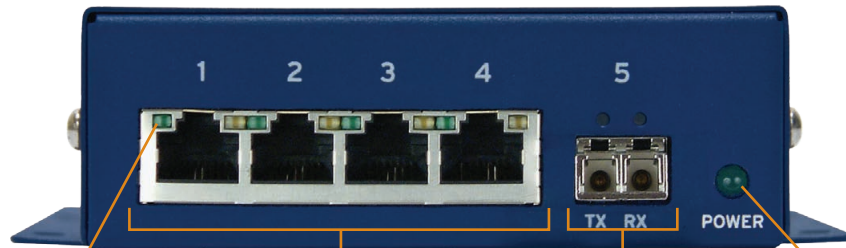
#### Safe

Convert copper Ethernet links to fiber-optic Ethernet links. Use fiber-optic Ethernet links outside of cabinets for increased safety and electrical noise immunity.

**Making Electric Power Safer, More Reliable, and More Economical®**

# SEL-2725 Five-Port Ethernet Switch

## Single-Fiber Option



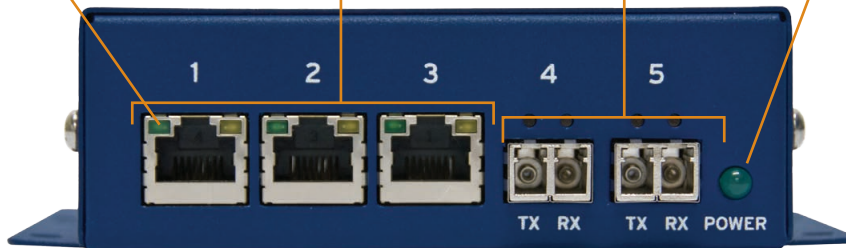
Link/activity and full-duplex/collision indicators.

10/100BASE-T Ethernet ports.

100BASE-FX fiber-optic Ethernet port.

Power indicator.

## Dual-Fiber Option



## General Specifications

### Ethernet Ports

#### 10/100BASE-T

Data rate	10 or 100 Mbps
Connector	Metal RJ-45 female
Compatible cable	Category 5 shielded, twisted-pair (STP) (SEL-C627)
Interface	10/100BASE-T
Max. distance	100 m (328 ft)
Autoconfiguration	Crossover cable, speed, and half- or full-duplex operation

#### 100BASE-FX

Data rate	100 Mbps
Connector	LC female
Interface	100BASE-FX
Safety	Eye-safe, Class 1 product per EN 60825-1

Option	Maximum Distance	Device Type
Multimode 1300 nm	2 km (1.24 mi)	LED
Single-mode 1300 nm	15 km (9.32 mi)	Laser

### Power Supply

Power consumption	< 5 W
Observed field MTBF	> 3,000 years

### Option

12 Vdc	9–30 Vdc
24–48 Vdc	18–60 Vdc
110–250 Vdc, 110–240 Vac	85–275 Vdc, 85–264 Vac

### Operating Temperature

IEC performance rating	–40° to +85°C (–40° to +185°F)
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## Substation- and Plant-Grade Equipment

Designed, built, and tested to IEEE 1613 (Class 2), IEC 61850-3, and other IEEE and IEC standards for:

- Electrostatic discharge
- Fast transients
- Radiated emissions
- Surge withstand capability
- Dielectric strength

Using the recommended STP Ethernet cables, no packets are dropped. Refer to the SEL-2725 Data Sheet for detailed test data.

## Related Products

- SEL-C627 Category 5e STP Ethernet Cables
- SEL-C808 62.5/125 μm Multimode Fiber-Optic Cables



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