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Panel Interface Connectors

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Panel Interface Connectors Overview

What is a Panel Interface Connector?

A panel interface connector (PIC) installs on an enclosure and provides a combination of power and data outlets, ports, and connectors, which serve as an extension for a PLC or other control device mounted within the enclosure.

These panel interface connectors act as a pass-through unit that allows an operator to interface with the PLC or other devices without opening the enclosure door.

PICs are available in various formats that may include a combination of single, duplex or GFCI power outlets, and connectors such as D-Sub, RJ45, RJ12, USB, Ethernet, and Data Highway™.

Reasons to use a Panel Interface Connector

- Provides easy access to internal equipment without opening the enclosure
- Reduces the risk of electrical shock
- Protects enclosure components from hazards and atmospheric conditions
- Eliminates the need for special equipment, tools, or protective clothing that may be required when accessing electrical enclosures capable of producing an arc flash*, per NFPA 70E requirements.

* An arc flash is a current arc resulting from an electrical fault which causes the current to flow through the air between two live conductors, or a conductor and a ground, resulting in a short circuit.

Enclosure with a ZP-PDA-32-302 Panel Interface Connector

MURR ELEKTRONIK　Modlink Panel Interface Connectors

Build Your own Panel Interface Connector

With Modlink panel interface components you can build your own panel interface connector designed for your specific application. This easy-to-assemble modular system allows selection of the best insert(s) for your application, a frame to mount the insert(s), and an optional touch protection cover, to create a custom data and power interface connector.

Step 1

Select from nine pre-configured Modlink panel interface inserts that best fit your application.

Step 2

Select a single or double frame to be used to mount the selected insert(s).

Step 3

Select a single or double touch protection cover to provide additional protection.

- Various inserts with data and power combinations
- Two identification tags per insert
- Ports available include RJ45 Cat5e; female/male 15-pin D-Sub HD15; female/female USB-A; female/female 9-pin D-Sub; RJ12; single 120VAC outlet; 3A circuit breaker; and a blank plate

- Available in single or double models with transparent, metallic, or gray covers
- Integrated spring provides quick visual if left open
- Locking plug-in knob mechanism ensures sealed protection
- Frames are mounted directly on enclosure opening - IP65 protection

- Available in single or double ABS black plastic covers
- Touch protection cover provides IP20 protection inside

ZIPport®　Panel Interface Connectors

Rugged Aluminum Industrial Panel Interface Connectors

- Epoxy-coated die-cast aluminum housing
- Thermo-plastic Elastomer (TPE) gasket
- Wide selection of connection types
- All D-Sub connectors are FEMALE EXTERIOR and MALE INTERIOR referenced to the cabinet
- 9-pin D-Sub pin configurations allow the D-Sub to be separated into individual lines, which allows connection to the D-Sub using screw terminal connections

- Units configured for Allen Bradley's** Data Highway system available. *Registered trademark of Allen Bradley Company, LLC
- Standard 3 Amp reset circuit breaker to limit the power output
- NEMA / UL Type 12, 4, & 4x
- IP65
- UL file number E495019 and CE

Panel Interface Connector Types Available

- Power PICs with:
  » Single power outlet
  » Duplex power outlet
  » GFCI power outlet

- Inteface PIC units are available in various combinations of power outlets and communication ports needed for most typical control panels

- Communication PICs with:
  » D-Sub
  » RJ45
  » RJ12
  » USB
  » Ethernet
  » Data Highway connections

- No-power PIC units also available