

Datasheet for 76650-0149

General Information

Part Number:	76650-0149
Manufacturer:	Molex / Waldom
Title:	Sealed USB and RJ-45 Industrial Connector and Cable Kit
Description:	Sealed Bayonet-Style Plug Receptacle and Cable
Product Family:	Industrial USB and RJ-45
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration: (Wire-to-Board) and (Wire-to-Wire)

Connector Type: Receptacles and Plugs, Cables

Mounting

Orientation: Vertical (Receptacles)

Current Rating: 1 Amp and 1.5 Amps

Voltage: 30 VoltsAC (RMS) and 125 Volts

Product Highlights

Industrial USB (Universal Serial Bus) connectors bring one of the most popular and convenient I/O connectors into harsh commercial and industrial environments. USB connectors are ideal for both short-term diagnostics (that require simple and fast setup), without having to turn off computers or equipment, and permanent installations for data acquisition systems. The rugged, plug and receptacle designs feature bayonetstyle latches, encapsulated PCB receptacles and overmolded cable assemblies to help keep out dust, debris and water.

Ethernet connectors are of Category 5e transmission performance and TIA/EIA-568-B (RJ-45) connection interface. RJ-45 EtherNet/IP* Cordsets and Receptacles are ideal for use in environments where EtherNet protocol is used, including manufacturing facilities, water treatment plants and transportation hubs. Designed with one sealing surface, the connectors ensure optimum performance even in harsh environments.

*EtherNet/IP and †DeviceNet are trademarks of the Open DeviceNet Vendor Association.

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Features and Benefits	Applications
<ul style="list-style-type: none">• IP67 and NEMA 6P Rating ensures cordsets are water and dust tight for functional integrity• Fully shielded cable provides Electro Magnetic Interference/Radio Frequency Interference (EMI/RFI) protection• Over molded cordsets, allow faster installation at customer site versus field-wireable designs	<ul style="list-style-type: none">• Factory Automation• Industrial Computers• Industrial Controllers• Factory Peripherals• Printers• Barcode Scanners• Robotics• Vision Systems• Motion and Process Controls
Features and Benefits continued	Applications continued
<ul style="list-style-type: none">• Bayonet-style latch receptacle provides quick and easy connection and ensures proper insertion depth with mating• Ease-of-use• Meets Open DeviceNet † Vendors' Association and ControlNet ‡ Vendors' Association IP Specifications• One Sealing Surface means less likelihood of failure• Easy termination allows custom length cable to be made in field• Robust bayonet style lock• Simple error free mating	<ul style="list-style-type: none">• Test and Measurement Equipment• Medical Devices• Factory Networking Installations• Production Equipment• Industrial Environment: Food and Beverage, Automotive, Chemical and Other continuous and batch processes• Water Treatment plants: Waste water, Municipal drinking water• Transportation Hubs: Airports, Bus Stations, Rail Stations• Metal and explosive detectors• EDS's (Explosive Detection System)• ETD's (Explosive Trace Detector)

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‡ ControlNet is a trademark of ControlNet International, Ltd.

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Bill of Materials for Part No. 76650-0149

Molex Part No.	Country of Origin	Description	Quantity in Kit
84729-0001	Taiwan	0.5 Ft Long, 28 AWG 5C Pigtailed, USB Type A, Panel Mount Receptacle	1
84729-0004	Taiwan	2.62 Ft Long USB Type A, Panel Mount, Receptacle to Plug, Cordset	1
84729-0009	Taiwan	USB Type A, Panel Mount PCB, Receptacle	1
84730-0001	Mexico	USB Type B Panel Mount PCB Receptacle	1
84700-0001	Mexico	Receptacle Panel Mount Assembly RJ-45 CAT5e	1
84700-0002	Mexico	Plug Field Wireable Assembly RJ-45 CAT5e	1
84700-0003	Mexico	Dust Cover for RJ-45 Bayonet-Style Latch Connector	1
84702-0005	Mexico	Receptacle PCB Mount Assembly RJ-45 CAT5e	1
84702-0006	Mexico	Receptacle Punchdown Panel Mount RJ-45 CAT5e	1

No Recommended Molex Tool for Part No. 76650-0149