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Achieve superior signal integrity in harsh factory and commercial-vehicle applications with IP67 Sealed Industrial USB 3.0 Panel-Mount Receptacles, designed for fast installation and robust pull-out resistance

Features and Benefits

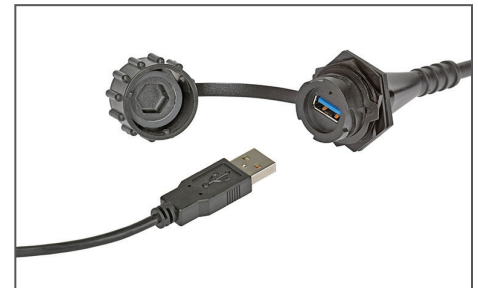|	
Overmolded cordsets with integral strain relief	Allow faster installation at customer sites versus field-wired designs. Strain relief increases cable flexibility and provides robust pull-out resistance
IP67 rating	Ensures cordsets are water- and dust-tight for functional integrity
Differential-signal technology	Delivers 5 Gbps data speeds for USB 3.0 compliance (enables 10 times faster data speeds than USB 2.0 receptacles). Includes enhanced power optimization and retains backward compatibility to USB 2.0 devices
Fully shielded cable	Provides electro-magnetic interference/radio frequency interference (EMI/RFI) protection
Bayonet-style latch receptacle	Provides quick and easy connection and ensures proper mating insertion depth
Cordsets available in various lengths	Allow customers to choose the length convenient for their specific application
Meets high-durability-class (500 mating cycles) requirements of USB 3.0 specifications	Sustains robust, reliable connectivity over high frequencies of mating and unmating
Keyed housing	Shortens assembly time. Prevents mis-matched connections
ODVA and IEC61076 compliant	Industry-standard dimensions ensure compatibility and intermatability
IP67-rated dust cap	Seals the connection when not in use and prevents damage due to environmental conditions

Sealed Industrial USB Solutions

84733 USB 3.0 Panel-Mount Receptacles

84729, 84730 USB 2.0 Panel-Mount Receptacles

84727, 84728, 84732 USB 2.0 Overmolded Cordsets

84700 Dust Caps

Sealed Industrial USB Solutions

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Applications

Commercial Vehicle
 – Transport refrigeration systems

Medical
 – Medical equipment

Industrial
 – Barcode scanners
 – Factory automation
 – Factory peripherals
 – Industrial computers
 – Industrial controllers
 – Motion and process controls
 – Printers
 – Robotics
 – Test equipment
 – Vision systems

Industrial Automation

Commercial Vehicle

Specifications

Reference Information
Packaging: 1 piece per bag
Mates With: Receptacles mate with Molex's Industrial USB 2.0 Plugs (series 84727, 84728, 84729, 84730, 84732) and USB 3.0 "A" type receptacles and cable assemblies (series: 48391, 48392, 48393, 48404, 48405, 48408, 48394-48399, 68789)
Designed In: Millimeters
RoHS: Yes
Sealing Rating: IP67
Connectors to comply with IP ratings per IEC 60529 SEALED USB A&B RECEPTACLES, DOCUMENT NUMBER: PS-84727-002, REVISION: C for full set of requirements & specifications

Electrical
Current (max.): 1.0A
Voltage (max.): 30V AC
Withstanding Voltage: 0.5KV AC
Contact resistance (max.): 30 milliohms
Durability:
USB Receptacles: 500 cycles
Bayonet-Style Receptacles : 25 cycles
Compatibility: With USB 2.0

Mechanical
Bayonet coupling mechanism per the ODVA/IEC 61076-3-106 interoperability interface specifications
Locknut Destructive Torque: 2.71N.m or more
Mating Force (max.): 35N
Withdrawal Force (min.): 10N

Physical
Housing: PBT, black
Contact: Copper Alloy
Plating:
Indent Contact Area and Underplating
 — Gold
 — Nickel
Operating Temperature: -40 to +80°C
Flammability UL 94V-0

Cable Specifications
USB 3.0 UL2725
 (8AWGx1P+EAM)×2U
 +(28AWGx1P+A)
 +28AWGx2C+F+AB

Ordering Information

Series No.	Component	Industry Standard
84733	Type A Panel-Mount Receptacles	USB 3.0
84729	Panel-Mount Receptacles, Type A, Cable	USB 2.0
84730	Panel-Mount Receptacles, Type B, PCB Tail	
84727	Overmolded Cordsets, Type A	
84728	Overmolded Cordsets, Type B	
84732	Overmolded Cordsets, Double-Ended	
84700	Dust Cap	USB 3.0/2.0

www.molex.com/link/sealedindustrialusb.html