

D-Sub Grounding Connector

molex

Molex D-Sub Grounding Connectors provide potential equalization when they are mated, eliminating the need for a screw or clamp, and safety caps provide waterproof protection even when unmated

Features and Benefits

High-power contact (40.0A) connected to ground cable (8 AWG) with straight termination

Meets performance requirements for high-powered equipment

PE labeling on plug
Warns of voltage risk to promote safety

Supplied with two hexagonal bolts
Enables mounting on housing

Metal sealing frame for rear installation
Ensures EMI shielding. Saves space as no need extra frame needed

Protective cap with chain for plug; optional for mating connector
Prevents water and dust ingress. Protects operator from contact with high current when unmated. Chain eliminates risk of cap getting lost

IP66 and IP67 ratings
Prevents water and dust ingress. Protects connector in harsh environments

Applications

Industrial Automation

Applications exposed to water spray

Telecommunications

Communication towers
Remote radio heads

Data/Computing

Mobile applications



Communication Tower Shrouded in Mist



Industrial Automation Applications

D-Sub Grounding Connector



Specifications

REFERENCE INFORMATION

Packaging: Bag
UL File No.: TBD
CSA File No.: TBD
Mates With: F1W1P-K120
Terminal Used: High-Powered Contact FMP400S103
Designed In: Millimeters
RoHS: TBD
Halogen Free: TBD
Glow Wire Compliant: TBD

ELECTRICAL

Voltage (max.): (Depends on application)
Current (max.): 40.0A
Contact Resistance: ≤ 1 milliohms (initial)
Dielectric Withstanding Voltage: 1000V
Insulation Resistance: ≥ 5000 Megohms

MECHANICAL

Durability (min.): 500 cycles

PHYSICAL

Housing: Plastic, with Tin-Plated Brass Front
Plating:
Contact Area — 0.8 μ m Gold
Solder Tail Area — 0.2 μ m Gold
Operating Temperature: -25 to +70°C

Ordering Information

Custom Product	Component
Contact Molex	Cable Assembly with D-Sub Grounding Plug and Waterproof Cap
	D-Sub Grounded Socket with Waterproof Hood