

Mini-Change Connectors >

Delivering optimum conductivity in a compact, rugged and field-proven quick-connect design, Brad Mini-Change Connectors offer the broadest selection of miniature sealed connectors available in the industrial market.



ADVANTAGES AND FEATURES

Ensures optimum electrical conductivity

using the patented Quad Beam socket contact with Stainless Steel sleeve to maintain consistent pressure on the male pin

Maintains low resistance through many mating/unmating cycles

with Gold over Nickel-plated contacts that provide high-performance, long-lasting electrical conductivity

Prevents entry of water during temporary submersion at a limited depth

due to an IP67-rated seal

Reduces cable stress and improves routing flexibility

with tee- and h-connectors that enable direct and efficient cable routing, reduce bending stress, permit shorter cable runs, and facilitate use in space-constrained applications

| Current (max.) | Up to 10.0A per pin |
|---------------------------------|----------------------|
| Voltage (max.) | 600V AC |
| Locking Style | Threaded |
| Seal Rating | IP67 |
| Poles | 2 through 12, 14, 19 |
| Standard Operating Temperatures | -20 to +80°C |

Offers robust performance in harsh conditions

with integral strain relief providing 100 pounds minimum of cable strain relief and radiating stress in side-loaded conditions

Eases alignment and mating of connector

with a molded key indicator that helps guarantee correct mating





MARKETS AND APPLICATIONS

Industrial Automation

Conveyor belts Safety switches Auxiliary power for sensors/cameras Safety devices I/O applications

Electrical and Power

Power distribution equipment Sensors Relays

Telecommunications

Multiple-component power distribution Fans Sensors



Conveyor Belts



Power Distribution Equipment

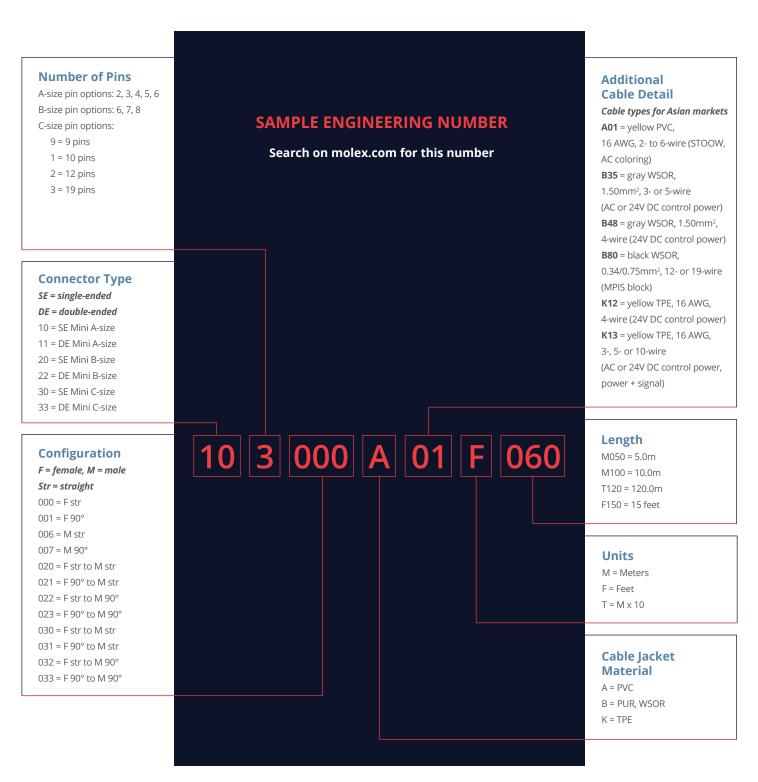


Multiple-Component Power Distribution



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MINI-CHANGE ENGINEERING NUMBER KEY





Mini-Change Connectors >

SPECIFICATIONS

Reference Information

Designed in: Inches/millimeters

RoHS: Yes

UL File No.:

Mini-Change - E152210

Brad Power Mini-Change – E258922

Electrical

Voltage (max.):

14 and 16 AWG - 600V AC

18 and 22 AWG - 300V AC

Current (max.): Up to 10.0A per pin – varies based on number of conductors and wire gauge

Mechanical

Housing: TPE

Coupling Nut: Epoxy-coated Zinc Contact: Copper Alloy, Gold-plated Wire: Varies by cable type

Physical

Seal Rating: IP67

Vibration: Complies with MIL-STD 202F, test

method 204, test condition B

Corrosion: 300-hour salt spray protection per

MIL-STD 202 method 101

Standard Operating Temperatures: -20 to +80°C

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