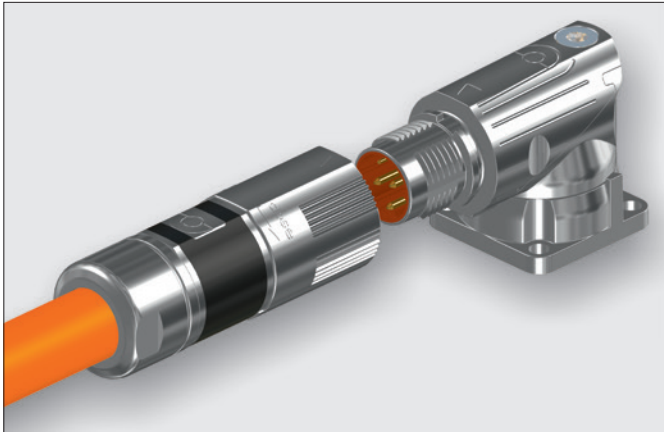


TE INTERCONTEC M12 Motor Connector



With the INTERCONTEC M12 Motor Connector, TE is the first company to offer a connector for small servo motors that provides all-in-one connectivity for power and signal data. The M12 is a robust metal connector with IP66/67 protection, enabling efficient installations based on one-cable solutions. It is the first M12 single-cable connection solution from the 630V power class for large servo connection solutions. With rotatable angled receptacles for flexible mounting in combination with its fast locking system, this connector enables fast termination and the flexibility to save time and cost. With motors getting smaller, this connector will meet your needs for a particularly compact and at the same time powerful quick-connect. The new connector covers the digital transmission of 2- and 4-wire encoder protocols like Hiperface DSL, EnDat 2.2, ACURO link and SCS open link.

KEY FEATURES

- Power, Signal and Data in one connection
- Fast Locking connection system
- Rotatable angled receptacles
- IP 66 / 67
- Metal housing

BENEFITS

- Rotatable angled receptacles for flexible mounting enables fast termination and the flexibility to save time and cost
- Quick-connect safety fastener is noted for having reliable 360° EMC shielding and a robust metal housing with protective ground connection

te.com/Intercontec-M12

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APPLICATIONS

- Servo motor
- Stepper motor
- Linear motor
- Spindle motor

ELECTRICAL

- Power: max 8 A / 630 V / 6000 V (insulation voltage)
- Signal: Max 1A / 48V / 1500 V (insulation voltage)
- Mating Cycle: 500

MECHANICAL

- Number of pins: 8 (3+4+PE)
- Housing: zinc diecast, nickel plated
- Clamp ring: brass, nickel plated
- Insulation insert: PBT, UL 94 / V0 (Plug); PA, PBT, UL 94 / V0 (Extension and Receptacle)
- Seals: FKM

STANDARDS & SPECIFICATIONS

- IP 66 / 67 when connected
- UL 94 / V0

ENVIRONMENTAL

- VDE 0110 / EN61984, Paragraph 6.19.2.2: Pollution degree 3; Over voltage category III; max height for operation 2000 m
- Temperature range: -20 °C to 130 °C

PART NUMBERS

Description	Partnumber
912 receptacle, angled, rotatable	BGA442N0000100B000
912 extension	BKA441N0009100B000
912 plug	BSA440N0009100B000

PRODUCT SHEET

TE Connectivity Automation & Control

Pfnorstr. 1
D-64293 Darmstadt
Germany

+49 6151 607 1999

www.te.com

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