

CIRCULAR CONNECTORS



MUCH MORE VARIETY



M 12 Power

M 27

Signal Connectors

M 23

Power Connectors

M 12

CONNECTORS

PROFINET

Customized Solutions

M 16

M 23 RJ 45

M 40

M 23 Hybrid

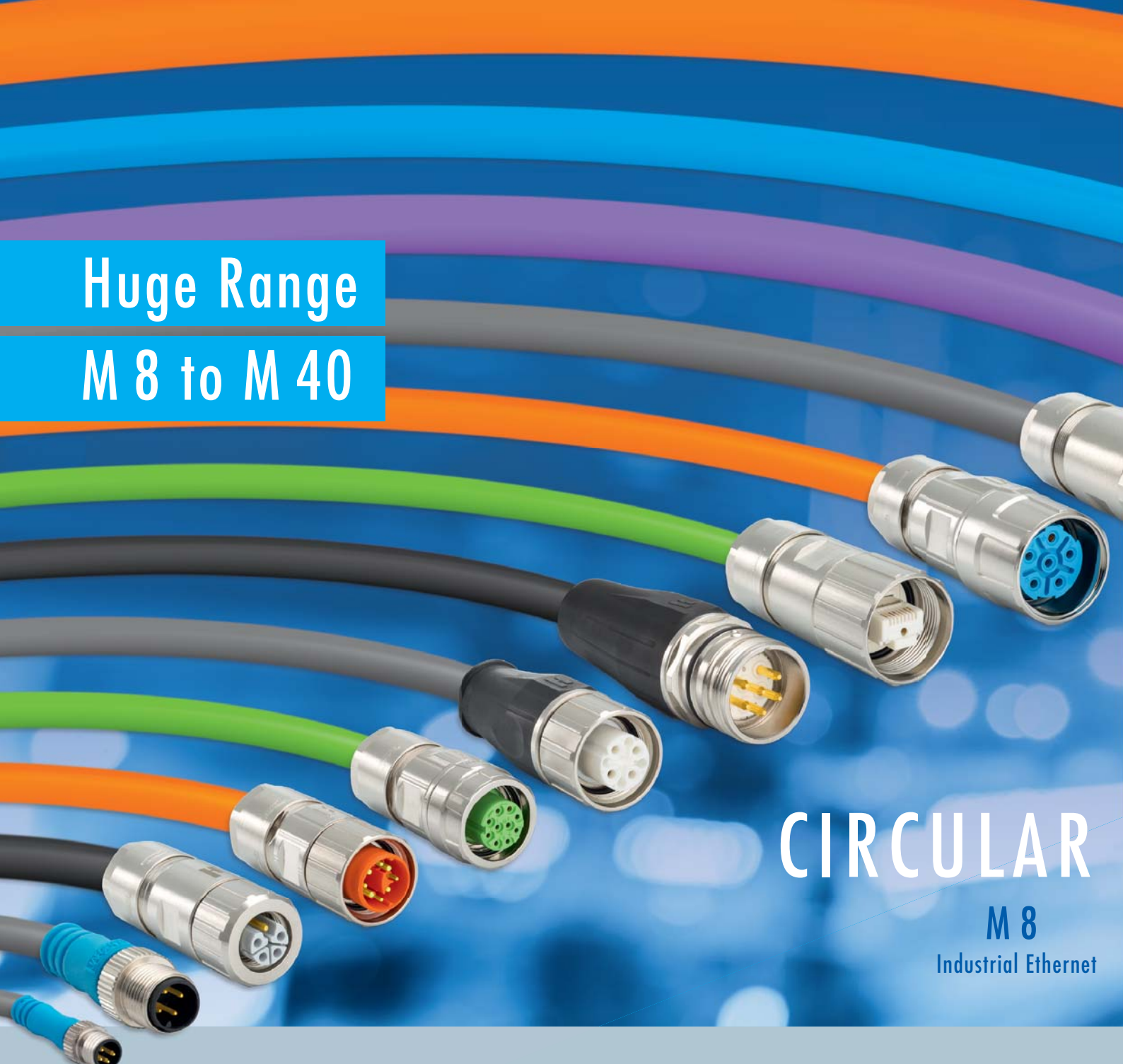
TWILOCK

Moulded Cordsets

Modularity and Flexibility

The compact housings of the HUMMEL-Circular-Connectors are ensuring a high power transfer on small space. Further benefits are user friendly assembly and excellent electrical characteristics of the components.

- // Highest contact reliability with SLS-Technology (Spring Loaded Socket)
- // One step cable assembly and shielding
- // Interchangeability of pin and socket inserts in every connector housing style
- // Clear and modular structure of all connector series



Huge Range
M 8 to M 40

CIRCULAR

M 8
Industrial Ethernet

Much more Variety

HUMMEL-Circular-Connectors are used in various industrial areas of applications. The product range includes the sizes from M 8 to M 40. Power or signal connectors, Industrial Ethernet or customized solutions — HUMMEL offers the right solution for every application. Quick connect versions, right angle, coupler and panel connectors for different mounting situations are completing the product range, also available in INOX version.

Cope with all requirements

All HUMMEL-Connectors fulfill the highest requirements on industrial applications. They cope with the protection IP 67 and IP 69K (connected) and have a high vibration resistance (5 G). The 360° shielding guarantees a secure EMC-protection. HUMMEL-Connectors have an exceptional quality and are internationally certified.



M 23 Hybrid



- // Power, Ethernet and Signal
- // Ideal single-cable-solution
- // HIPERFACE DSL® and EnDat 2.2 BiSS
- // Data transfer up to 500 Mbit/s
- // Easy and quick assembly
- // ≤ Cat.5e

M 23 RJ45



- // Compact RJ45-Patch cable for industrial use
- // Small footprint
- // Ideal as service interface
- // Also as Ex-i-version available
- // Integrated cable strain relief, protection
IP 67 / IP 69 K
- // ≤ Cat.5e

M 16 (10 pole)



- // Small and compact housing
- // Rugged design
- // ≤ Cat.5e
- // Cable diameter until 11 mm
- // One step cable assembly and shielding
- // Also with TWILOCK quick connect system

M 23 Profinet



- // Data transfer up to Gigabit rate,
Multibus II capability
- // Five separate shield potentials available
- // End-to-end shielding of data inserts
- // Easy shield connections
- // ≤ Cat.7

M 8, M 12 Signal



- // Moulded connector cordsets M 8 and M 12
- // Straight and angled design
- // T- and Y-versions for M 12
- // M 8 and M 12 housings

M 16 (pole >10)



- // Cable diameter until 11 mm
- // Number of positions:
12+3, 12+6
- // Compact housing (< 20 mm)
- // Interchangeability of pin or socket inserts
- // Also with TWILOCK quick connect system

SIGNAL / POWER

M 12 Power



- // Maximum power density
- // Power transmission to 630 V and 16 A
- // Robust metal housing, optional stainless steel
- // EMC-shielding in standard version
- // Coding K, L, S, T
- // Free field attachable and compact design
- // Cable diameter range to 11 mm

M 16 (pole <10)



- // Number of positions:
3, 6+PE, 4+3+PE
- // 20 A / 400 V or 16 A / 630 V
- // Cable diameter until 11 mm
- // Interchangeability of pin or socket inserts
- // Crimp or dip solder contacts
- // Also with TWILOCK quick connect system
- // Compact design (< 20 mm)

M 23 Power



- // Number of positions:
5+PE, 4+3+PE, 5+3+PE
- // 28 A / 630 V
- // Cable diameter until 17 mm
- // Interchangeability of pin or socket inserts
- // Termination: crimp contacts
- // Also with TWILOCK quick connect system

M 23 Signal



- // Cable diameter range 3–17 mm
- // Number of positions:
6, 7, 8+1, 10, 12, 16, 17, 16+3
- // Crimp, solder, dip solder or SUB-D-contacts
- // Multiple coding possibilities
- // Interchangeability of pin or socket inserts
in every connector housing style

M 27 Signal



- // Cable diameter range 7–17 mm
- // Possible transfer up to 28 contacts
- // Crimp-, solder- or print contacts

M 40 Power



- // Number of positions:
2+3+PE, 4+3+PE
- // 55 A / 600 V
- // Possible cable diameter up to 28 mm
- // Max. 16 mm² by crimping
- // User-friendly installation

TWINTUS



- // Low-cost-standard for Drives
- // Minimized size, 2 Flange sizes, 2 Flange height
- // Free choice of signal and power inserts
- // Designs M 16 / M 12 and M 16 / M 16
- // Perfect for daisy chain applications

TWILOCK



- // Available for M 16, M 23 Signal and M 23 Power
- // Quick Connect with patented polygon lock
- // Multifunctional: special thread allows use of TWILOCK and screw connection
- // Resistant to vibration
- // TWILOCK-S-version compatible to Speedtec
- // Substantial reduction of assembly time

Stainless Steel (INOX)



- // Available for M 16, M 23 and M 40
- // Housing: stainless steel V4.A (AISI 316 / 1.4404)
- // Perfect in harsh applications
- // Appropriate for food & beverage, pharma and offshore-applications

Moulded Cordsets



- // Available for M 8, M 12, M 16, M 23 Signal, M 23 Power, M 40
- // Overmoulding in several colours
- // Manipulation safe
- // Straight connectors and right angle connectors
- // Shielded or unshielded

Customized Solutions



- // In addition, HUMMEL offers many customized solutions
- // Combination of compressed air and electrical signals in one circular connector
- // Bulkhead fitting with oversized flange

Multifunctional



- // Strain relief fitting with flex protection for cable
- // Flexible conduit connector
- // MULTI Seal Connector

CIRCULAR INDUSTRIAL CONNECTORS – JAEGER BY HUMMEL

Standard Series



- // Multi polar with 3–52 soldering contacts
- // Screw connection
- // IP 50 – IP 54
- // Rectangular housing with 3 possible cable outlets
- // Also available in Thermocouple and High Voltage

Marine Series



- // Excellent corrosion resistance
- // Multi polar with 3–37solder / crimp contact
- // Screw connection
- // IP 68
- // Waterproof: 10 bars
- // Material: ARCAP
- // Appropriate for underwater applications and harsh environments

Hermetic Series



- // Ideal for vacuum applications
- // Multi polar with 3–52 soldering contacts
- // Screw connection
- // Leak rate: 10⁻⁹ Atm. cm³ /s with helium
- // Appropriate for high pressure and gas tightness applications

Industrial Series



- // Multi polar with 3–27 solder / crimp contact
- // 1/6 turn click locking
- // IP 50–65
- // Rectangular housing / cylindrical

Miniature Series



- // Multi polar with 12–55 solder / crimp contact
- // 1/6 turn click locking
- // IP 50–65
- // Rectangular / circular housing
- // High contact density in compact housing

Neptunox Series



- // Multi polar with 3–37 solder / crimp contact
- // Screw connection
- // IP 68
- // Waterproof: 10 bars
- // Material: stainless steel 303

ELECTRIC COMPONENTS

Cable Glands

Polyamide-, Brass- and Stainless steel,
EMC-connections, Ex e-, Ex d-, Ex ta-Cable Glands



Circular Connectors

M 8 to M 40, INOX, TWILOCK, Industrial Ethernet,
Power, Signal, Hybrid-Connector, Moulded Cordsets



Industrial Enclosures

Enclosures made of PC, Polyester, Aluminium and Stainless Steel,
Customized Systems, Enclosure-Configurator



Conduit Systems

Corrugated Conduit Systems, Conduit Cable Glands, Angled Systems,
combined Cable Glands, Accessories



Cable Assembly

Moulded Signal- and Power Circular Connectors,
Servo Cables, Cable Sets



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