### Types and Features

#### LED
- M12, straight or angled
- 2 LED (yellow, yellow and green)
- 3 LED (yellow, yellow and green)
- 3 LED (yellow, yellow and green)
- M8, angled
- 2 LED (yellow and green)

#### Design
- Straight
- Angled

#### Connector type
- M12 female
- M12 male
- M8 female
- M8 male

#### Coupling nut
- Brass
- Stainless steel

#### Shielding
- Shielded
- Unshielded

#### Number of pins
- M8
  - 3-pin
  - 4-pin
  - 5-pin
  - 6-pin
  - 7-pin
  - 8-pin
  - 9-pin
  - 10-pin
- M12
  - 3-pin
  - 4-pin
  - 5-pin
  - 6-pin
  - 7-pin
  - 8-pin
  - 9-pin
  - 10-pin
  - 11-pin
  - 12-pin

#### Cable length
- Standard connection cables: 2 m, 5 m, 10 m
- Standard extension cables: 0.3 m, 0.6 m, 1 m, 2 m, 5 m

#### Cable colors in PUR and PVC
- Black
- Gray
- Yellow
- Orange
- Blue

#### Number of pins with LED
- M8
  - 3, 4
- M12
  - 3, 4
- 5-pin
- 6-pin
- 8-pin
- 10-pin
- 12-pin

#### Number of pins with LED (angled)
- M8
  - 3, 4
- M12
  - 3, 4
- 5-pin
- 6-pin
- 8-pin
- 10-pin
- 12-pin

#### Field-wireable
- Optional
- Optional
- Optional
- Optional
- Optional

#### Deutsch Superseal Valve connector
- Type: DT06, DT04, SGC, A, B, C, D
- Number of pins: 2, 3, 4, 5, 6, 8, 12
- Number of pins with LED: 2, 3, 4

#### M8 M12 M16 7/8” M23
- Actuator/sensor connection
- Number of pins: 3, 4, 5, 6, 8, 12
- Number of pins with LED: 3, 4

#### Power connection
- Number of pins: 3, 4, 5, 6, 8, 12
- Voltage/Current: 30V / 4A, 60/300V/16A, 300V / 9A, 400V / 20A, 400V / 20A, 600V / 40A
- Field-wireable: Optional, Optional, Optional, Optional, Optional

#### PROBUS-OP
- Cable: PUR + PVC violet
- Coding connector: B
- Shield: Optional
- Field-wireable: Optional

#### PROBUS-EP
- Cable: PUR + PVC gray
- Coding connector: A
- Shield: Optional
- Field-wireable: Optional

#### PROFINET
- Cable: Green PUR + PVC
- Coding connector: A, D
- Shield: Optional
- Field-wireable: Optional

#### Industrial Ethernet
- Cable: Green PUR + PVC
- Coding connector: A, D, X
- Shield: Optional
- Field-wireable: Optional

#### Connect and Distribute

Your Global Automation Partner
Over 30 subsidiaries and 60 representatives worldwide!
With a wide range of connection technology, Turck offers diverse modules for tailor-made, customer-specific solutions. Take advantage of our extensive offering for “connect and distribute” tasks. These include connectors, extension and tail cables, control cables, field-wireable connectors and cable as bulk types, as well as passive and active splitters, but also accessories such as tools, counter nuts and terminating resistors. With around 11,000 different connection technology products, Turck offers broad flexibility with regard to customer-specific requirements for details such as pin assignment, cable lengths, etc. The portfolio includes, for example, the metric connector bodies M8, M12, M16, M23, M27 and M40, as well as the imperial measurement types 1/2”, 7/8”, 1” and 1½”. As well as different designs (straight, angled, with/without LED, with/metal shielding), cable qualities and colors (PVC, PUR, PUR black, yellow, orange, grey, blue, white, green, violet, etc.). Not least, Turck also offers connector solutions for special applications such as flange, valve, Deutsch and Superseal plugs. Turck delivers exactly the quantity that you require from solutions with several 100,000 of units down to only a few individual units when required for specific customer needs. We will be happy to extend our portfolio ever further with your individual requirements.

Connectivity – Connect and Distribute

Round connectors M12 x 1
M12 x 1 round connectors are the standard for industrial use. First and foremost in applications, these connectors are used in a wide range of areas, from the food industry through to vending and laser applications.

Round connectors M16 x 0.75 and M23 x 1
Round connectors in M16 x 0.75 and M23 x 1 are used wherever an increased number of pins (up to 19-pin) is required. These are used in connect multi-splitter systems. The overinsulated cables considerably reduce connection times.

Multiple junction systems
Passive 4-, 6- and 8-way junction boxes combine input signals to distribute output signals. This means up to 16 signals can be transmitted via a single multicore cable. The multi-junction systems are available in M8 and M12 types.

Flange connectors
A mounting flange is available for all the mentioned connector systems with front and rear wall mounting, printed or unlabeled contacts, as well as standard series. They transform any control cabinet into a plug-and-play device or act as a circuit board connection.

Round connectors 1/2”, 7/8”, 1” and 1½”
Round connectors with imperial measurement types are suitable for applications with increased power requirements. These connectors are a good choice for connecting sensors or other field devices with voltages of up to 600 V and current ratings of up to 9 A.

2-way splitters
3-way splitters combine two sensor signals to distribute two actuator signals. The number of cables to be installed can be significantly reduced. The 4-way splitters are available in the designs M8 x 1, M12 x 1 and 7/8”.

Field-wireable connectors
Field-wireable connectors are available in sizes M8 x 1, M12 x 1, 1/2”, 7/8”, 1” and 1½” M23 x 1 and also the imperial measurement types 1/2”, 7/8”, 1” and 1¼”.

Connectors for the food industry
Connections cables for the food industry are available with M6 or M8 connections in straight and angled versions. This new grip design ensures very user-friendly cleaning, which reduces the accumulation of bacteria and microbes.

Accessories
To complete our connectivity portfolio, we offer various articles as an accessory. These include, for example, assembly tools, terminating screws and field-wireable cables, but also portfolio additions such as nuts, caps and leads.

Valve connectors
Valve connectors with the designs A, B, C or D are available with and without protective circuit for the connection of various different valves. Optional LED displays significantly reduce troubleshooting efforts.

Field-Wireable connectors
Field-wireable connectors are available in sizes M8 x 1, M12 x 1, 1/2”, 7/8”, 1” and 1½”. M23 x 1 and also as valve plug. The connectors make installation easier in applications in which it is difficult to estimate the needed cable length in advance.

Deutsch and Superseal connectors
The new plug connectors in the Deutsch and Superseal series are available with various number of pins. With their robust design and protection class IP67, they are ideally suited for use in mobile applications. The DT series is also available with LED and protection circuit colors, perfectly tailored to the respective application. The product range covers PVC, PUR and PP cables. All cables are available as bulk cables or with injection-moulded connectors.

Valve connectors
Valve connectors with the designs A, B, C or D are available with and without protective circuit for the connection of various different valves. Optional LED displays significantly reduce troubleshooting efforts.

2-way splitters
3-way splitters combine two sensor signals to distribute two actuator signals. The number of cables to be installed can be significantly reduced. The 4-way splitters are available in the designs M8 x 1, M12 x 1 and 7/8”.

Multiple junction systems
Passive 4-, 6- and 8-way junction boxes combine input signals to distribute output signals. This means up to 16 signals can be transmitted via a single multicore cable. The multi-junction systems are available in M8 and M12 types.

Ethernet cables
The Ethernet connection cables are available in various versions with M8, M12 or M12 connectors with a straight and angled design. These are used for flange connector. With their high bending cycles, the cables are ideally suited for dog-bone termination.

Cables as bulk types
Turck offers cables in different qualities and colors, perfectly tailored to the respective application. The product range covers PVC, PUR and PP cables. All cables are available as bulk cables or with injection-moulded connectors.

5-way splitters
5-way splitters combine three sensor signals to distribute two actuator signals. The number of cables to be installed can be significantly reduced. The 4-way splitters are available in the designs M8 x 1, M12 x 1 and 7/8”.

Cables for the food industry
Connections cables for the food industry are available with M6 or M8 connections in straight and angled versions. This new grip design ensures very user-friendly cleaning, which reduces the accumulation of bacteria and microbes.