

# CONNECTORS

## PRODUCT APPLICATIONS



08/19

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With a catalogue of 5,100 products, available in 11,000 different versions and some 60 million connectors produced each year, binder has been successfully distributing connectors around the world for decades.

The product range extends from miniature connectors to multipolar machine connectors. binder products are used in agricultural and construction machinery, signal equipment, machine tool construction, medical technology, measuring technology as well as sensor and automation technology.

This brochure is for internal use only and shows in which product applications our various connectors are built-in.



# Subminiature Connectors

## Snap-in IP40

Shoe testing instruments

### ■ Snap-in IP40 · Series 719

- Connectors with snap-in locking
- Moulded versions
- Versions with and without strain relief
- Degree of protection IP40
- Diameter or breadth only 9 mm
- 2 m and 5 m cable length
- 3 – 5 contacts
- Solder termination
- Easy assembly



## Snap-in IP67

Water dispensers

### ■ Snap-in IP67 · Series 620

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 8 contacts
- Solder termination
- Diameter 11.5 mm
- Easy assembly



### Web-Thermo-Hygrometer

#### ■ Snap-in IP67 · Series 620

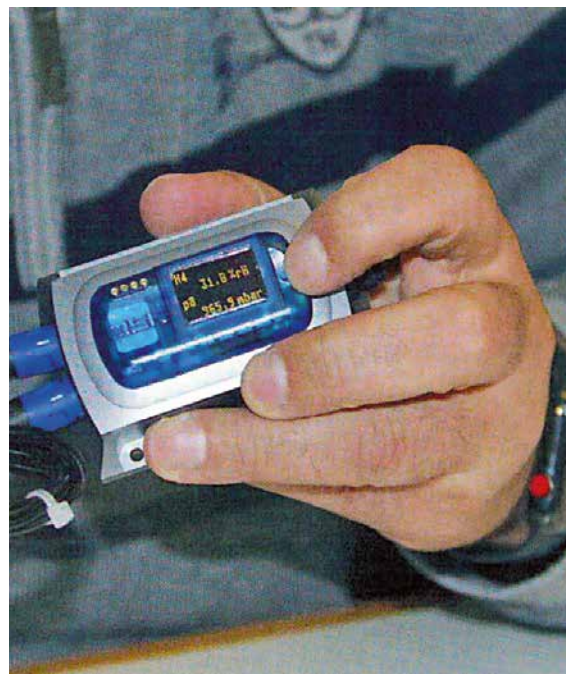
- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 8 contacts
- Solder termination
- Diameter 11.5 mm
- Easy assembly



### Data loggers

#### ■ Snap-in IP67 · Series 620

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 8 contacts
- Solder termination
- Diameter 11.5 mm
- Easy assembly



### Dosing pump

#### ■ Snap-in IP67 · Series 620

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 8 contacts
- Solder termination
- Diameter 11.5 mm
- Easy assembly



## M9 IP40

### Cameras at screening checkpoints

#### ■ M9 IP40 · Series 711

- Connectors with screw locking
- Degree of protection IP40
- Cable outlet in 2 sizes
- Cable housing with integrated strain relief
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 mm





### Data loggers

#### ■ M9 IP40 Panel Mount Connectors · Series 711

- Connectors with screw locking
- Degree of protection IP40
- Cable outlet in 2 sizes
- Cable housing with integrated strain relief
- 2 – 8 contacts
- Solder/dip solder termination
- Diameter 11.5 mm



### M9 IP67

### Zither production

#### ■ M9 IP67 · Series 712

- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



### Industrial cameras

#### ■ M9 IP67 · Series 712

- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



### Encoders in Miniature housings

#### ■ M9 IP67 · Series 712

- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



## Cork production

### ■ M9 IP67 · Series 712

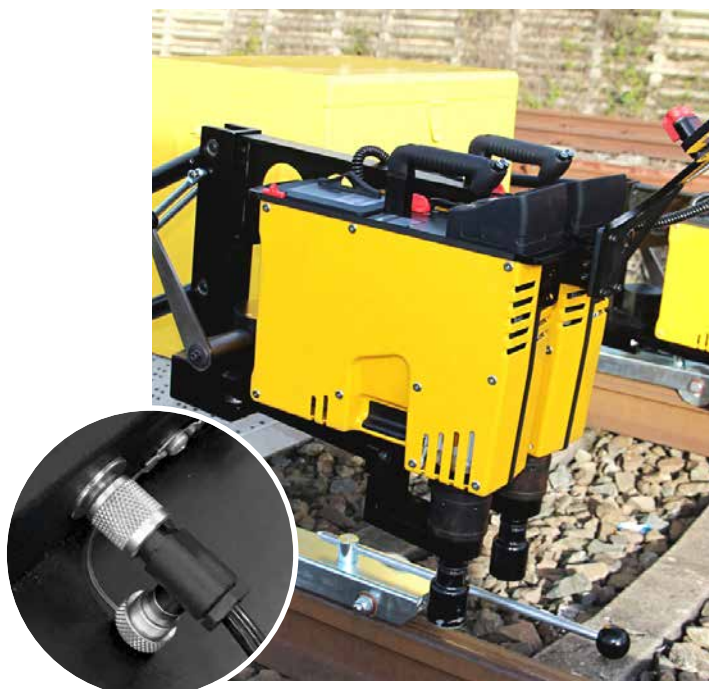
- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



## Railway torque wrenches

### ■ M9 IP67 · Series 712

- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



## Line sensors

### ■ M9 IP67 · Series 712

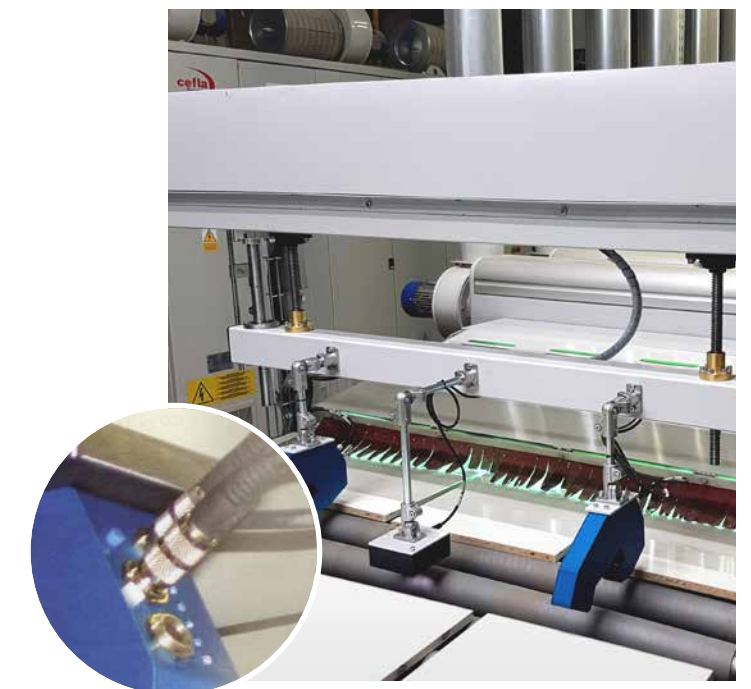
- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable



## Gloss sensors

### ■ M9 IP67 · Series 712

- Connectors with screw locking
- Connectors moulded on cable
- Connectors and cable with 360° EMC protected shielding
- Metal housing with 360° EMC protected shielding
- Degree of protection IP67
- 2 m and 5 m cable length
- Easy assembly
- 2 – 8 contacts
- Solder termination
- Diameter 11.5 – 14 mm
- Shieldable





Data loggers

■ **M9 IP67 Panel Mount Connectors  
Series 712 and 702**

- Screw termination M9
- 2 – 8 contacts
- Degree of protection IP67
- Solder/dip solder termination
- Diameter 15 mm
- Shieldable
- Various variants

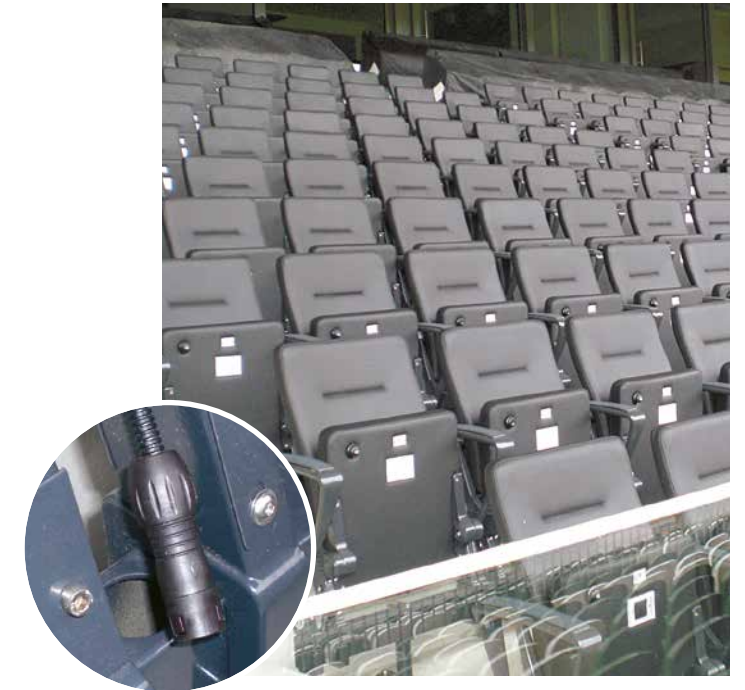


## Snap-in

Seat heaters for stadium seats

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly



Data loggers

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly





## LED outdoor spotlights

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly



## Heating systems for greenhouses

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly



## Lithotrone

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly



## Computer-supported toys

### ■ Snap-in Panel Mount Connectors · Series 720

- Snap-in locking system
- 3 – 12 contacts
- Degree of protection IP67
- Solder/dip solder termination
- Diameter 16 mm
- Coloured versions



### Bayonet NCC

Manual operating units for signal technology

#### ■ Bayonet NCC · Series 770

- Connectors with bayonet locking
- Degree of protection of cable part IP67 when mated and locked correctly
- Degree of protection of socket part when not connected IP67
- Cable outlet 2,5–8 mm
- > 5000 mating cycles
- 8 contacts
- Solder termination
- Diameter 19.9 mm
- Easy assembly



### M16 IP40

Micro-sensor torque driver

#### ■ M16 IP40 · Series 581

- Connectors with screw locking according to DIN EN 61076-2-106
- Degree of protection IP40
- Good EMC characteristics
- Versions with cable bushing (good antikink), pinch-ring and solder ring or with cable clamp
- Internal strain relief
- With preassembled solder ring for good ground connection
- Cost-effective plastic versions
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Diameter 17.2 mm/17.5 mm/18.5 mm/20 mm
- Shieldable versions



Laser control systems

#### ■ M16 IP40 · Series 581

- Connectors with screw locking according to DIN EN 61076-2-106
- Degree of protection IP40
- Good EMC characteristics
- Versions with cable bushing (good antikink), pinch-ring and solder ring or with cable clamp
- Internal strain relief
- With preassembled solder ring for good ground connection
- Cost-effective plastic versions
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Diameter 17.2 mm/17.5 mm/18.5 mm/20 mm
- Shieldable versions



Universal measuring inserts

#### ■ M16 IP40 · Series 581

- Connectors with screw locking according to DIN EN 61076-2-106
- Degree of protection IP40
- Good EMC characteristics
- Versions with cable bushing (good antikink), pinch-ring and solder ring or with cable clamp
- Internal strain relief
- With preassembled solder ring for good ground connection
- Cost-effective plastic versions
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Diameter 17.2 mm/17.5 mm/18.5 mm/20 mm
- Shieldable versions





## M16 IP67

### Product labelling systems

#### ■ M16 IP67 · Series 423

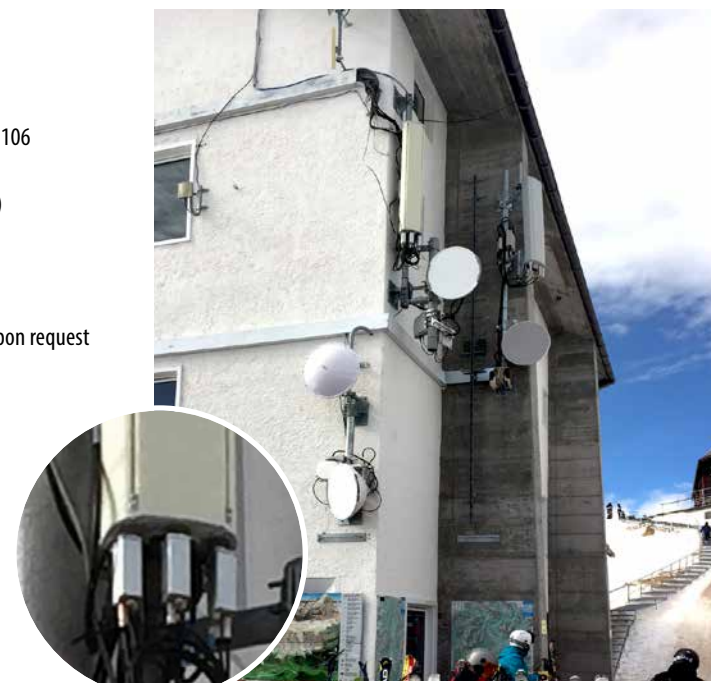
- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible



### Wireless communications stations

#### ■ M16 IP67 · Series 423

- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible



### Receivers of switching measurement systems

#### ■ M16 IP67 · Series 423

- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible



### Radar measuring devices

#### ■ M16 IP67 · Series 423 and 723

- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible





## High-Power circular lighting

### ■ M16 IP67 · Serie 423 and 425

- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible



## Locomotive control systems

### ■ M16 IP67 Panel Mount Connectors Series 423 · 723 and 425

- Screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- 2 – 24 contacts
- Solder/dip solder/crimp termination
- Diameter 20 mm
- Shieldable
- AISG compatible



## Bomb disposal suits

### ■ M16 IP67 · Serie 423

- Connector with screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- Excellent EMC shielding (versions with shielding rings 360°)
- Internal strain relief
- Versions with shielding rings or cable clamp
- Straight and angled versions
- Further cable lengths, diameters and number of contacts upon request
- 2 – 24 contacts
- Solder/crimp/screw clamp termination
- Moulded versions
- Diameter 18 – 24 mm
- Shieldable
- AISG compatible



## Linear Position Transducer

### ■ M16 IP67 Panel Mount Connectors Series 423 · 723 and 425

- Screw locking according to DIN EN 61076-2-106
- Degree of protection IP67
- 2 – 24 contacts
- Solder/dip solder/crimp termination
- Diameter 20 mm
- Shieldable
- AISG compatible



## RD24

Geostationary temperature measuring systems

### ■ RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm



Base stations (telecommunications)

### ■ RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm

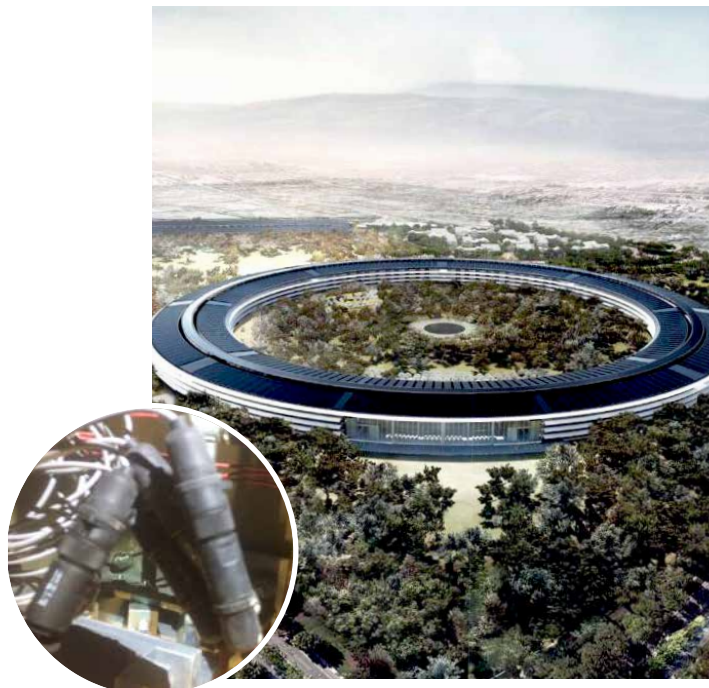




## Technology company headquarters

### ■ RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm



## Lithotrone

### ■ RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm





# Connectors for Medical Applications

## Snap-in

Devices for ultrasonic, electrical and combination therapies

### ■ Snap-in · Series 720

- Connectors with snap-in locking
- Moulded versions
- Degree of protection IP67
- Internal strain relief
- Coloured versions
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- Easy assembly



## RD24

Therapy units

### ■ RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm



## High-frequency devices

### RD24 Power · Series 693

- Connectors with screw locking
- Moulded versions
- Degree of protection IP67
- 3 termination possibilities: solder/screw/crimp termination for turned crimp contacts
- VDE-, UL- and SEV approval
- 4 (3+PE) – 7 (6+PE) contacts
- Diameter 29 mm

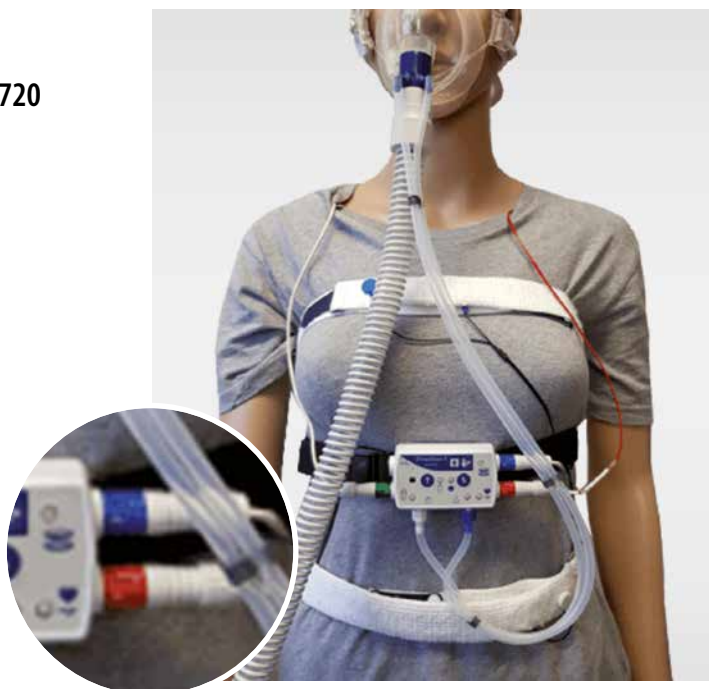


## Snap-in IP67

## Sleep polygraph equipment

### Snap-in IP67 for Med. Applications · Series 720

- Connectors with snap-in locking
- Degree of protection IP67
- Internal strain relief
- Easy assembly
- Coloured versions
- Colour similar to RAL 9002
- 3 – 12 contacts
- Solder termination
- Diameter 16 mm
- DEHP-free
- Ergonomic design of connector
- Low weight
- Protection caps in black



## M12-A

## OR lighting interfaces

### M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



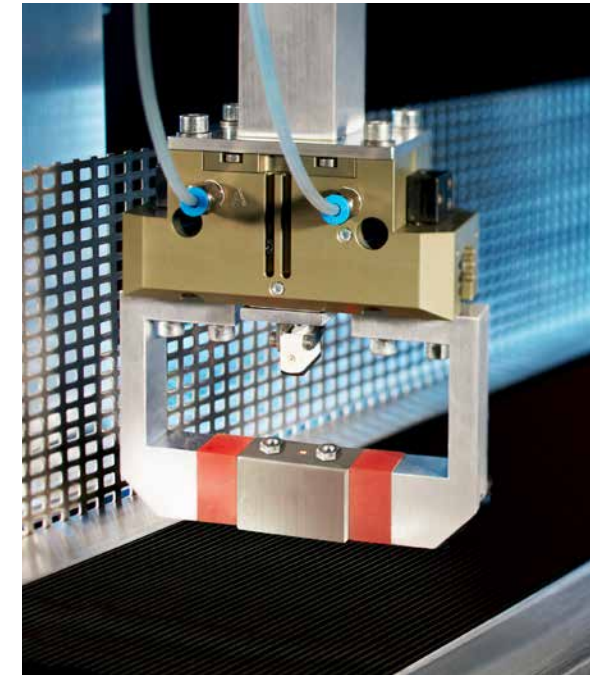
# Automation Technology – Sensors & Actuators

## M5

### Subminiature sensors

#### ■ M5 • Series 707

- Connectors with M5 x 0,5 screw locking according to DIN EN 61076-2-105
- Moulded versions
- Shielded and unshielded versions
- Thread nut with immunity to vibration
- Degree of protection IP67
- Versions with 3 and 4 contacts
- 2 m and 5 m cable length
- Optionally with UL approval
- Further cable lengths upon request



### Data loggers

#### ■ M5 • Series 707

- Connectors with M5 x 0,5 screw locking according to DIN EN 61076-2-105
- Moulded versions
- Shielded and unshielded versions
- Thread nut with immunity to vibration
- Degree of protection IP67
- Versions with 3 and 4 contacts
- 2 m and 5 m cable length
- Optionally with UL approval
- Further cable lengths upon request





## M5 and M8

### Medical assistance drones

#### ■ M5 · Series 707 and M8 · Series 718

- Connectors with M5 x 0,5 screw locking according to DIN EN 61076-2-105
- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Thread nut with immunity to vibration (M5)
- Degree of protection IP67 (M5)
- Versions with 3 and 4 contacts (M5)
- Degree of protection IP65/IP67/IP69K (M8)
- Metal housing with 360° EMC protected shielding (M8)
- Optionally with UL approval (M5)/UL approval (M8)
- 2 m and 5 m Kabellänge (M5 und M8), schleppkettenfähig (M8)
- Field wireable, screw- and solder termination (M8)



## M8

### Pressure system with feeding devices

#### ■ M8 · Series 768

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



### Vibration measuring instruments

#### ■ M8 · Series 768

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



### Web-Thermo-Hygrometer

#### ■ M8 · Series 768

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



## Infusion pumps

## ■ M8 · Series 768

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



## Climate control and storage systems

## ■ M8 · Series 768

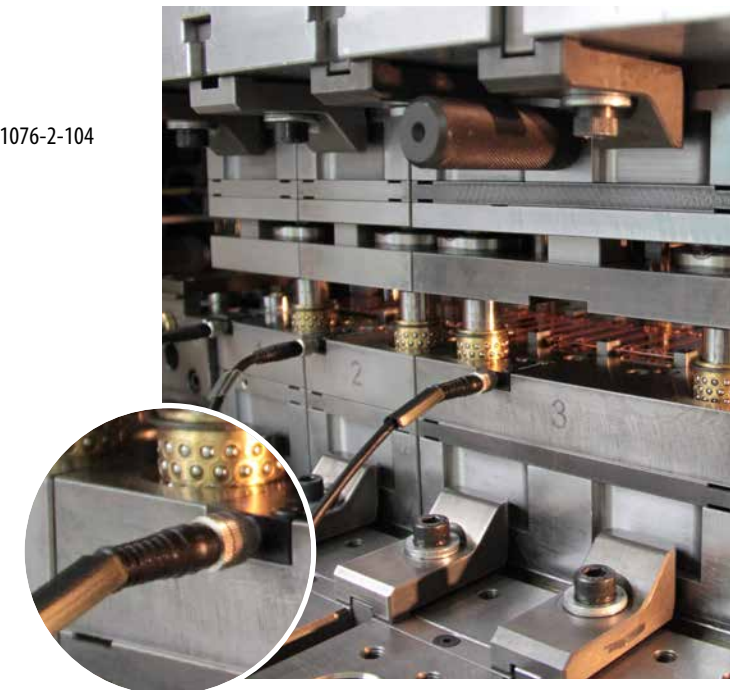
- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



## Monitors for punching waste

## ■ M8 · Series 768

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Easy assembly
- Versions with shielding rings/iris type spring



## M8 and M12-A

## Optoelectronic sensors

## ■ M8 · Series 718 and M12-A · Series 763

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm (M8)
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Versions with shielding rings/iris type spring
- Field wireable (M12)
- Transparent housings for PCB with LED display (M12)





## Analogue sensor outputs for technical measuring applications

### ■ M8 · Series 718 and M12-A · Series 763

- Connectors with M8 x 1 screw locking according to DIN EN 61076-2-104 or snap-in locking 8 mm (M8)
- Moulded versions
- Shielded and unshielded versions
- Degree of protection IP65/IP67/IP69K
- Metal housing with 360° EMC protected shielding
- Field wireable, screw- and solder termination
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Versions with shielding rings/iris type spring
- Field wireable (M12)
- Transparent housings for PCB with LED display (M12)



## M12-A

## Tubular bag suction equipment

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Lifting platforms

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Roller coasters

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions





## Air conditioning equipment for passenger boarding bridges

### ■ M12-A · Series 713

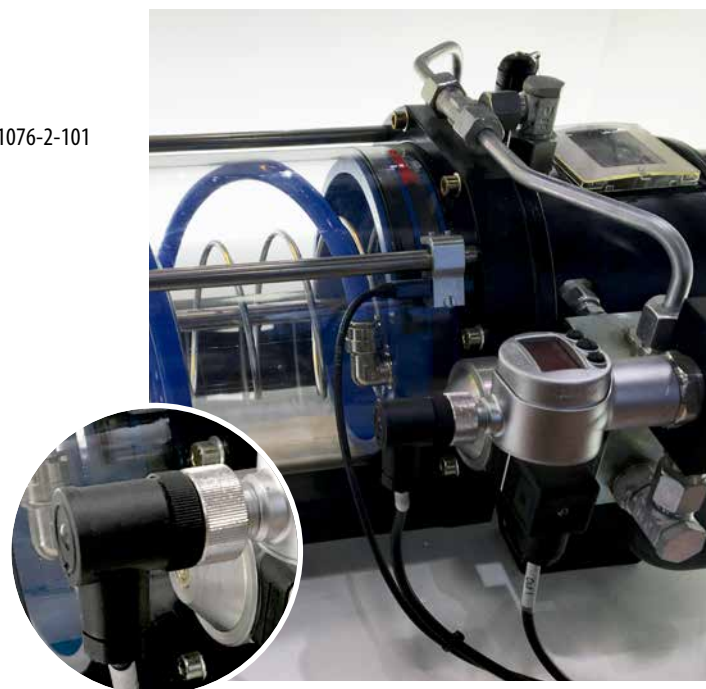
- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Oil pumps

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Test systems for cable and function testing

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## CPX valve terminals

### ■ M12-A · Series 713

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions





## Power bus systems

### ■ M12-A · Series 713

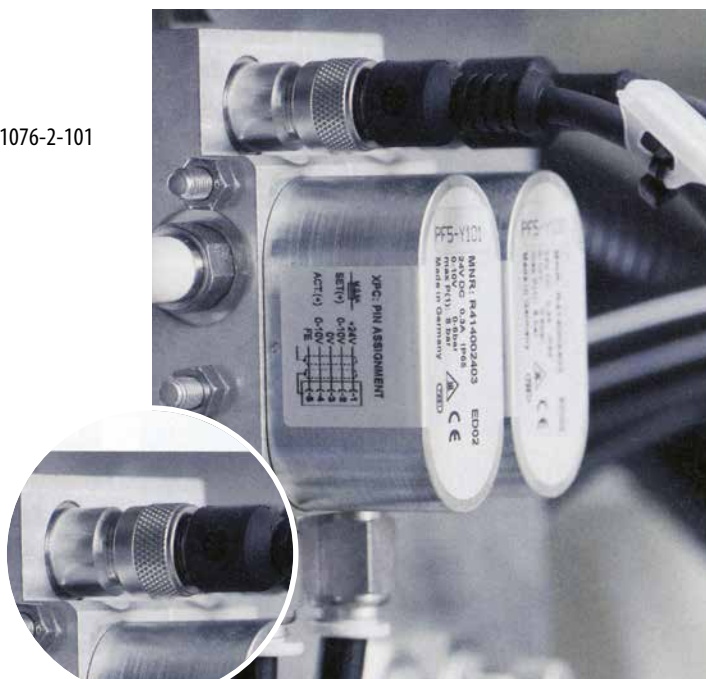
- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Pressure control valves

### ■ M12-A · Serie 763

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Optoelectronic sensors

### ■ M12-A · Serie 763

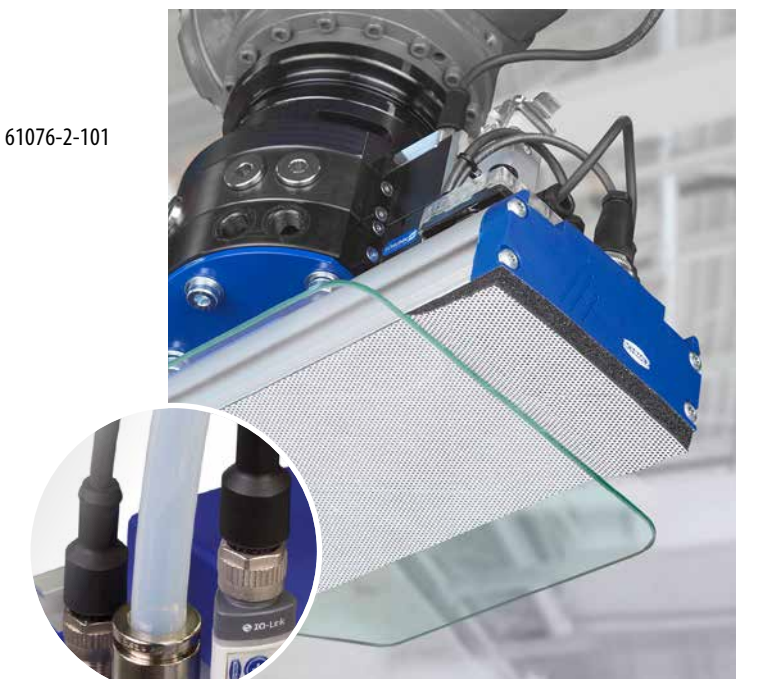
- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
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- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions



## Gripping systems

### ■ M12-A · Serie 763

- Connectors with M12 x 1 screw locking according to DIN EN 61076-2-101
- Moulded versions
- Shielded and unshielded
- Degree of protection IP67/IP68/IP69K
- Field wireable
- Transparent housings for PCB with LED display
- 2 m and 5 m cable length, chain flex ability
- UL approval
- Outdoor versions, Food and Beverage
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions





## Encoders

### ■ M12-A Panel Mount Connectors · Series 713 and 763

- Screw locking according to DIN EN 61076-2-101
- Degree of protection IP67/IP68/69K
- Outdoor versions, Food and Beverage
- Easy assembly
- Solder/dip solder/screw clamp termination/single wires/cable
- Various variants



## LED drivers

### ■ M12-A Panel Mount Connectors · Series 713 and 763

- Screw locking according to DIN EN 61076-2-101
- Degree of protection IP67/IP68/69K
- Outdoor versions, Food and Beverage
- Easy assembly
- Solder/dip solder/screw clamp termination/single wires/cable
- Various variants



## Digital counter systems

### ■ M12-A Panel Mount Connectors · Series 713 and 763

- Screw locking according to DIN EN 61076-2-101
- Degree of protection IP67/IP68/69K
- Outdoor versions, Food and Beverage
- Easy assembly
- Solder/dip solder/screw clamp termination/single wires/cable
- Various variants



## Ultrasonic sensors

### ■ M12-A Panel Mount Connectors · Series 713 and 763

- Screw locking according to DIN EN 61076-2-101
- Degree of protection IP67/IP68/69K
- Outdoor versions, Food and Beverage
- Easy assembly
- Solder/dip solder/screw clamp termination/single wires/cable
- Various variants









# Automation Technology – Data Transmission & Power Supply

## M12-D

High-performance milling machines

### ■ M12-D • Series 876

- Connectors with M12 x 1 screw locking “D-and X-coded” for Profinet and Ethernet applications according to DIN EN 61076-2-101 and 109
- Moulded versions
- Receptacles
- RJ45
- Shieldable/360° shielding
- Screw termination/IDT connection
- Degree of protection IP67
- Transmission features DIN EN 501737CAT 5/CAT6A
- UL approval
- Excellent EMC shielding
- Versions with shielding rings/iris type spring
- Angled connector adjustable in 4 positions





# Automation Technology – Solenoid Valve Connectors

## Size A

Differential pressure control devices

### ■ Bauform A · Serie 210

- Connectors according to DIN EN 175301-803 (replaces 43650)
- Moulded versions
- Degree of protection IP65/IP67
- Field wireable
- Wired versions
- DIN EN 175301-803
- 2+PE, 3+PE
- Low and high housing



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