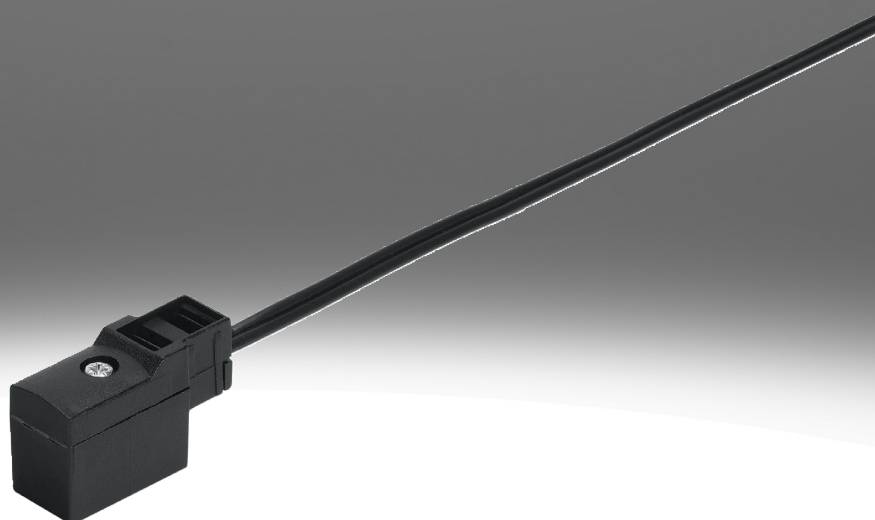


## Connecting cable KMYZ

**FESTO**



## Characteristics

### At a glance

- For solenoid coils with connection pattern ZB
- For solenoid coils with connection pattern ZC
- With PVC or PUR cable

## Type code

|      |                                              |  |
|------|----------------------------------------------|--|
| 001  | Series                                       |  |
| KMYZ | Connecting cable                             |  |
| 002  | Number of pins/wires on the left             |  |
| 2    | 2                                            |  |
| 4    | 4                                            |  |
| 003  | Operating voltage                            |  |
|      | 24 V DC                                      |  |
| 24   | 24 V DC                                      |  |
| 004  | Connection technology right, controller side |  |
| LE   | Open end                                     |  |
| M8   | Plug M8x1 A-coded, EN 61076-2-104            |  |

|     |                                                         |  |
|-----|---------------------------------------------------------|--|
| 005 | Cable length [m]                                        |  |
| 0.5 | 0.5                                                     |  |
| 2.5 | 2.5                                                     |  |
| 5   | 5                                                       |  |
| 10  | 10                                                      |  |
| 006 | Display                                                 |  |
|     | None                                                    |  |
| LED | LED                                                     |  |
| 007 | Use                                                     |  |
|     | Not for use with intrinsically safe valve terminals CPV |  |
| EX  | For use with intrinsically safe valve terminals CPV     |  |
| 008 | Type of mounting                                        |  |
|     | On solenoid valve via self-tapping screw                |  |
| B   | On solenoid valve via M2 central screw                  |  |

## Datasheet

## General technical data – For valves with ZB solenoid coils

|                                                          |                                                               |                                                                  |
|----------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| Connection technology right, controller side             | Open end                                                      | Plug M8x1 A-coded, EN 61076-2-104                                |
| Electrical connection                                    | 2-pin/2-wire<br>Angled socket/cable<br>Square design/open end | 2-pin/3-pin<br>Angled socket/straight plug<br>Square design/M8x1 |
| Electrical connection 1, tightening torque               | 0.23 Nm                                                       |                                                                  |
| Electrical connection 1, tolerance for tightening torque | ± 10%                                                         |                                                                  |
| Switching position indicator                             | LED                                                           |                                                                  |
| Nominal operating voltage DC                             | 24 V                                                          |                                                                  |
| Current rating at 40° C                                  | 1 A                                                           |                                                                  |
| Cable structure                                          | 2 x 0.25 mm <sup>2</sup>                                      |                                                                  |
| Cable diameter                                           | 3.4 mm                                                        |                                                                  |
| Protective conductor connection                          | Not available                                                 |                                                                  |
| Type of mounting                                         | On solenoid valve via self-tapping screw                      |                                                                  |
| Mounting position                                        | optional                                                      |                                                                  |
| Degree of protection                                     | IP65                                                          |                                                                  |
| Cable characteristic                                     | Standard                                                      |                                                                  |

## Operating and environmental conditions – For valves with ZB solenoid coils

|                                                       |                                      |
|-------------------------------------------------------|--------------------------------------|
| Ambient temperature                                   | -10 ... 50°C                         |
| Corrosion resistance class CRC <sup>1)</sup>          | 2 - Moderate corrosion stress        |
| Maritime classification <sup>2)</sup>                 | See certificate                      |
| CE mark (see declaration of conformity) <sup>3)</sup> | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity)          | To UK RoHS instructions              |

1) Corrosion resistance class CRC 1 according to Festo standard FN 940070 Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind covers, in non-visible interior areas or parts that are covered in the application (e.g. drive pins).

2) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

3) For information about the area of use, see the declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads. If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

## Materials – for valves with ZB solenoid coils

|                             |                |
|-----------------------------|----------------|
| Material housing            | PA             |
| Material electrical contact | Bronze         |
| Material cable sheath       | TPE-U(PUR)     |
| Note on materials           | RoHS-compliant |
| LABS (PWIS) conformity      | VDMA24364-B2-L |

## Datasheet

### General technical data – for valves with ZB and ZC solenoid coils

|                                                          |                                          |                                          |
|----------------------------------------------------------|------------------------------------------|------------------------------------------|
| Electrical connection                                    | Angled socket, Cable, Square design MSZC | Angled socket, Cable, Square design MSZB |
| Electrical connection 1, tightening torque               | 0.23 Nm                                  |                                          |
| Electrical connection 1, tolerance for tightening torque | ± 10%                                    |                                          |
| Nominal operating voltage DC                             | 24 V                                     |                                          |
| Operational voltage range DC                             | 3 ... 36 V                               |                                          |
| Current rating at 40° C                                  | 1 A                                      |                                          |
| Cable structure                                          | 2 x 0.35 mm <sup>2</sup>                 |                                          |
| Protective conductor connection                          | Not available                            |                                          |
| Type of mounting                                         | On solenoid valve via M2 central screw   |                                          |
| Mounting position                                        | optional                                 |                                          |
| Degree of protection                                     | IP40                                     |                                          |
| Cable characteristic                                     | Standard                                 |                                          |

### Operating and environmental conditions – for valves with ZB and ZC solenoid coils

|                                                            |                                      |
|------------------------------------------------------------|--------------------------------------|
| Ambient temperature                                        | -10 ... 50°C                         |
| Corrosion resistance class CRC <sup>1)</sup>               | 1 - Low corrosion stress             |
| Maritime classification <sup>2)</sup>                      | See certificate                      |
| CE mark (see declaration of conformity) <sup>3)</sup>      | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) <sup>4)</sup> | To UK RoHS instructions              |

1) Corrosion resistance class CRC 1 according to Festo standard FN 940070 Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind covers, in non-visible interior areas or parts that are covered in the application (e.g. drive pins).

2) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

3) For information about the area of use, see the declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads. If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

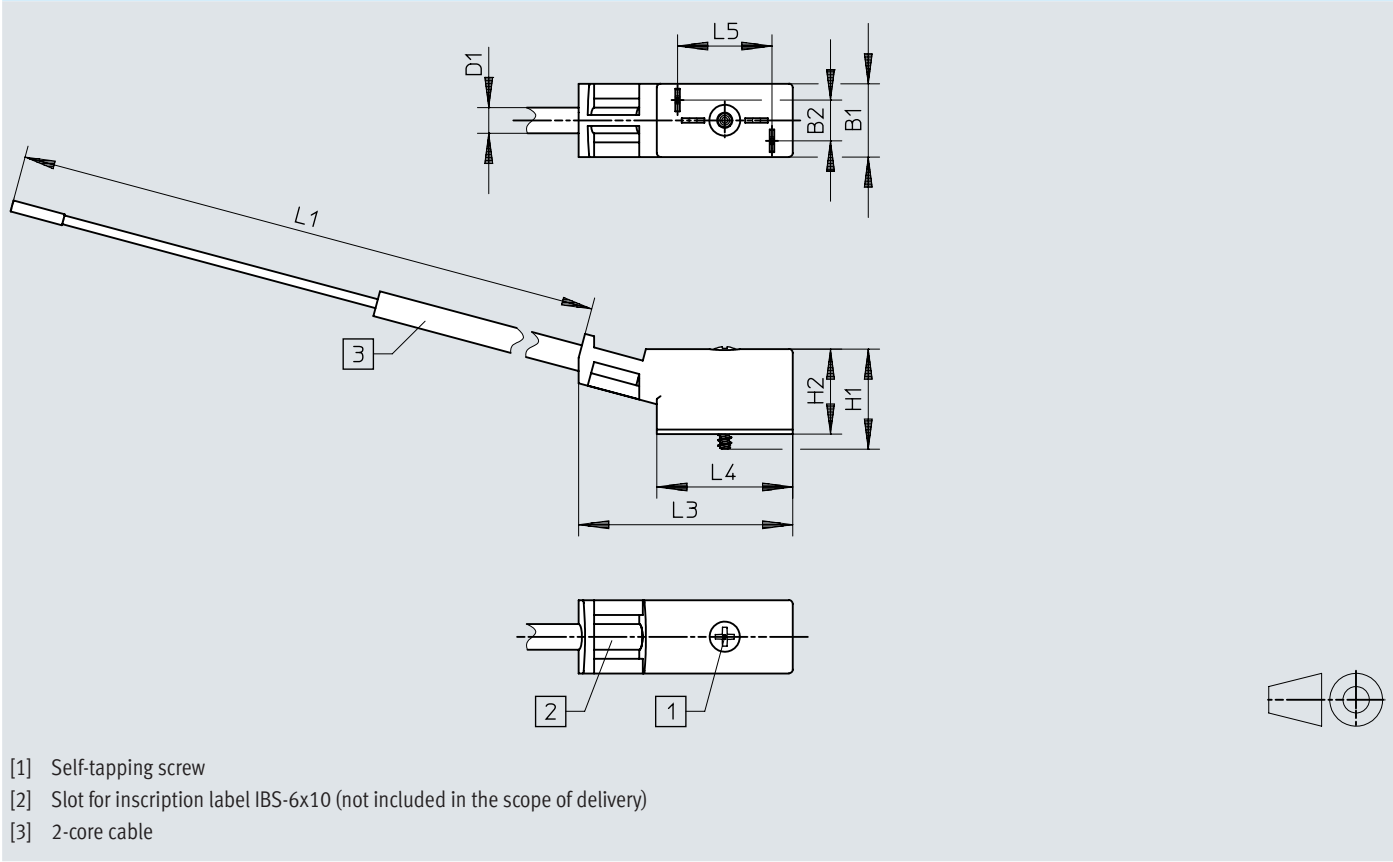
4) For information about the area of use, see the declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads. If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

### Materials – for valves with ZB and ZC solenoid coils

|                             |                |
|-----------------------------|----------------|
| Material housing            | PA             |
| Material electrical contact | Bronze         |
| Material cable sheath       | PVC            |
| Note on materials           | RoHS-compliant |
| LABS (PWIS) conformity      | VDMA24364-B2-L |

Dimensions

Dimensions – For valves with ZB solenoid coils, open end Download CAD data [www.festo.com](http://www.festo.com)

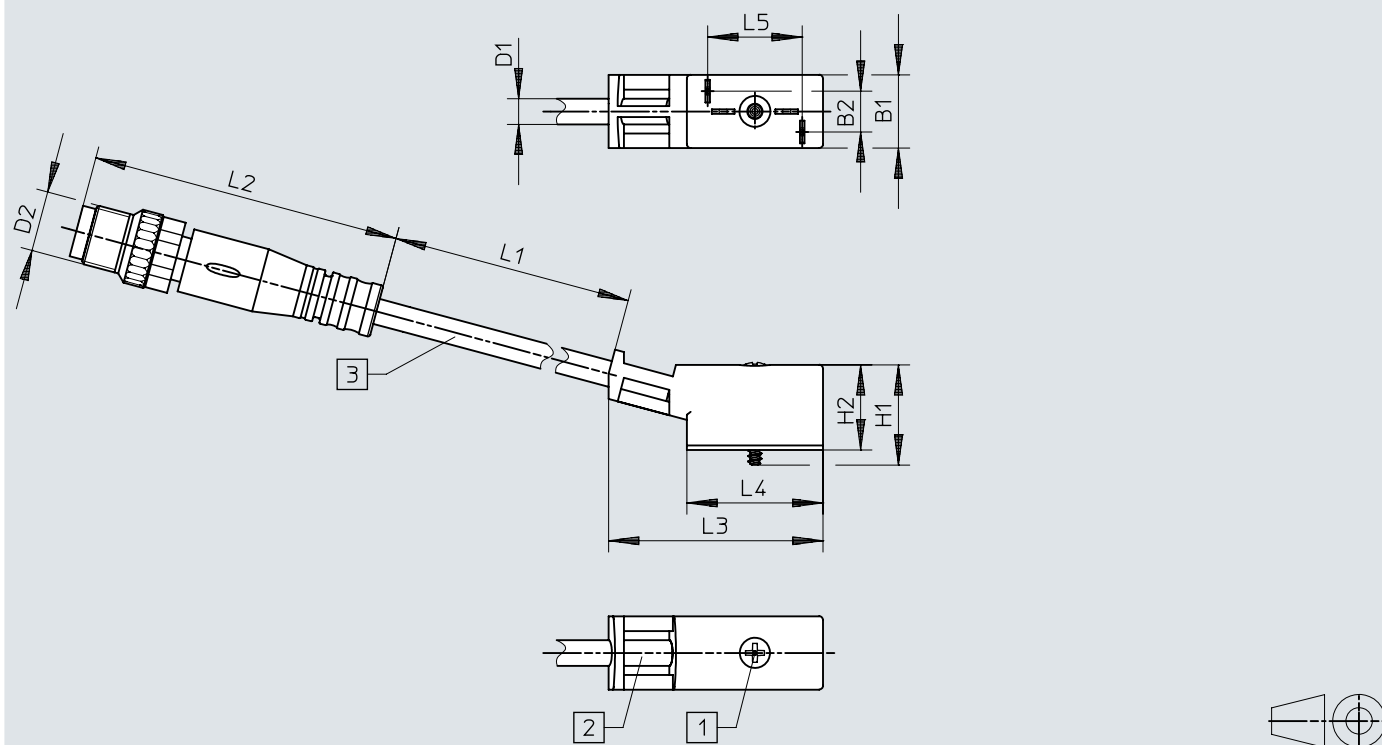


|                   | B1 | B2 | D1  | H1 | H2 | L1    | L3 | L4 | L5 |
|-------------------|----|----|-----|----|----|-------|----|----|----|
| KMYZ-2-24-2,5-LED | 10 | 5  | 3,4 | 13 | 11 | 2500  | 28 | 18 | 13 |
| KMYZ-2-24-5-LED   |    |    |     |    |    | 5000  |    |    |    |
| KMYZ-2-24-10-LED  |    |    |     |    |    | 10000 |    |    |    |

## Dimensions

Dimensions – For valves with ZB solenoid coils, straight plug

Download CAD data [www.festo.com](http://www.festo.com)



- [1] Self-tapping screw  
 [2] Slot for inscription label IBS-6x10 (not included in the scope of delivery)  
 [3] 2-core cable

|                      | B1 | B2 | D1  | D2 | H1 | H2 | L1   | L2 | L3 | L4 | L5 |
|----------------------|----|----|-----|----|----|----|------|----|----|----|----|
| KMYZ-2-24-M8-0,5-LED | 10 | 5  | 3,4 | M8 | 13 | 11 | 500  | 41 | 28 | 18 | 13 |
| KMYZ-2-24-M8-2,5-LED |    |    |     |    |    |    | 2500 |    |    |    |    |

Dimensions

Dimensions – For valves with ZB and ZC solenoid coils Download CAD data [www.festo.com](http://www.festo.com)

[1] Retaining screw  
[2] Slot for inscription label IBS-6x10 (not included in the scope of delivery)  
[3] 2-core cable  
[4] Plug pattern for ZB solenoid coil  
[5] Plug pattern for ZC solenoid coil

|        | B1  | D1  | H1 | H2  | H3 | L1 |
|--------|-----|-----|----|-----|----|----|
| KMYZ-4 | 9,8 | 4,3 | 15 | 3,2 | 1  | 25 |



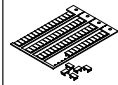
## Ordering data

| For valves with ZB solenoid coils, open end                                       |                                                 |              |                |               |                          |
|-----------------------------------------------------------------------------------|-------------------------------------------------|--------------|----------------|---------------|--------------------------|
|                                                                                   | Connection technology<br>right, controller side | Cable length | Product weight | Part no.      | Type                     |
|  | Open end                                        | 2.5 m        | 50 g           | <b>34997</b>  | <b>KMYZ-2-24-2,5-LED</b> |
|                                                                                   |                                                 | 5 m          | 90 g           | <b>34998</b>  | <b>KMYZ-2-24-5-LED</b>   |
|                                                                                   |                                                 | 10 m         | 170 g          | <b>193443</b> | <b>KMYZ-2-24-10-LED</b>  |

| For valves with ZB solenoid coils, straight plug                                  |                                                 |              |                |               |                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------|--------------|----------------|---------------|-----------------------------|
|                                                                                   | Connection technology<br>right, controller side | Cable length | Product weight | Part no.      | Type                        |
|  | Plug M8x1 A-coded, EN 61076-2-104               | 0.5 m        | 18 g           | <b>177676</b> | <b>KMYZ-2-24-M8-0,5-LED</b> |
|                                                                                   |                                                 | 2.5 m        | 54 g           | <b>177678</b> | <b>KMYZ-2-24-M8-2,5-LED</b> |

| For valves with ZB and ZC solenoid coils                                          |                                          |              |                |               |                        |
|-----------------------------------------------------------------------------------|------------------------------------------|--------------|----------------|---------------|------------------------|
|                                                                                   | Electrical connection                    | Cable length | Product weight | Part no.      | Type                   |
|  | Angled socket, Cable, Square design MSZB | 0.5 m        | 12 g           | <b>550324</b> | <b>KMYZ-4-0,5-B-EX</b> |
|                                                                                   |                                          | 2.5 m        | 34.5 g         | <b>550481</b> | <b>KMYZ-4-2,5-B-EX</b> |
|                                                                                   |                                          | 5 m          | 62.5 g         | <b>550482</b> | <b>KMYZ-4-5,0-B-EX</b> |
|                                                                                   | Angled socket, Cable, Square design MSZC | 0.5 m        | 10 g           | <b>193690</b> | <b>KMYZ-4-24-0,5-B</b> |
|                                                                                   |                                          | 2.5 m        | 32 g           | <b>193691</b> | <b>KMYZ-4-24-2,5-B</b> |
|                                                                                   |                                          |              |                |               |                        |

Accessories

| Inscription labels                                                               |                                                  |          |          |
|----------------------------------------------------------------------------------|--------------------------------------------------|----------|----------|
|                                                                                  | Description                                      | Part no. | Type     |
|  | Inscription labels 6x10 mm, 64 pieces, in frames | 18576    | IBS-6X10 |