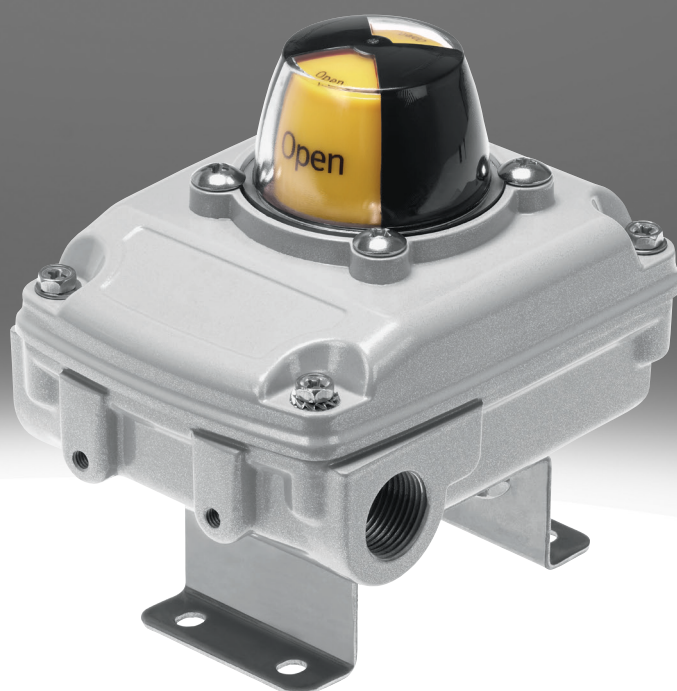


## Limit switch box SRBC

**FESTO**



Characteristics

**At a glance**

Limit switch boxes SRBC are used for electrical feedback and control of the position of process valves actuated using pneumatic quarter turn actuators. They can be mounted quickly and easily on quarter turn actuators with connection pattern according to VDI/VDE 3845 using mounting flange adapters. The sturdy design of the limit switch box SRBC is ideal for the harsh conditions in process automation.

**Product segmentation**



Easy and fast to select  
Festo Core Range  
Solves the majority of your automation tasks  
With the Festo Core Range, we have selected the most important products and functions from our broad product catalogue, and added the quickest delivery. the Core Range offers you the best value with the expected high Festo quality.

- Quickest delivery, worldwide – wherever, whenever
- Expected high Festo quality

**Mechanical interface**

Using the pre-assembled mounting adapter (80x30 in heights of 20 and 30 mm), the limit switch box can be mounted quickly and easily on quarter turn actuators with port patterns to VDI/VDE 3845. There are also variants without a mounting adapter so that other interfaces and products such as valves or gear units can be operated.

|      |                                                               |      |                                                    |
|------|---------------------------------------------------------------|------|----------------------------------------------------|
| [A3] | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | [A4] | Flexible mounting adapter to standard VDI/VDE 3845 |
|------|---------------------------------------------------------------|------|----------------------------------------------------|

|      |                   |
|------|-------------------|
| [A5] | EN ISO 5211 / F05 |
|------|-------------------|

**Display type**

|      |                               |
|------|-------------------------------|
| [YR] | Position indicator yellow/red |
|------|-------------------------------|

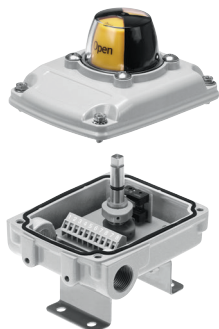


Clearly visible 3D position indicator enables the current position of the quarter turn actuator to be quickly identified

Additional versions of the position indicator (arrow 180°, I version, T version, L version) can be ordered separately as accessories, see the chapter on Peripherals overview

## Characteristics

### Sensor principle



#### [MW] Floating contact, changeover contact

SRBC-...-MW-22A-1W-...

Switching output contact, toggle switch single-pole (SPDT)

- Switch type Omron SS-5  
SRBC-...-MW-1-1WG-... (also available as ATEX version)  
Switching output contact (gold), toggle switch single-pole (SPDT)
- Switch type Omron D2SW-01L1MS

#### [N] Proximity sensor, inductive

SRBC-...-N-20N-ZC-... (also available as ATEX version)

Switching output NAMUR, N/C contact

- Switch type P&F NCB2-V3-N0  
SRBC-...-N-1-P-...  
Switching output PNP, N/O contact
- Switch type P&F NBB2-V3-E2  
SRBC-...-N-1-N-...  
Switching output NPN, N/O contact
- Switch type P&F NBB2-V3-E0  
SRBC-...-N-1-ZU-...  
Switching output, contactless, 2-wire, N/O contact
- Switch type P&F NBB3-V3-Z4

#### [R] With contacts (reed)

SRBC-...-R-2A-1W-...

Switching output contact, toggle switch single-pole (SPDT)

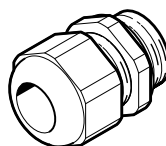
- Switch type Hamlin 59140-030

### Cable connector

Cable connector and blanking plug for the variants SRBC-CA3-... and SRBC-CA4-... are already included in the scope of delivery.

#### [ ] Without

#### [P20] M20x1.5, polymer



## Type code

|      |                       |  |
|------|-----------------------|--|
| 001  | Series                |  |
| SRBC | Limit switch box SRBC |  |

|     |                    |  |
|-----|--------------------|--|
| 002 | Design             |  |
| C   | Limit switch boxes |  |

|     |                                                               |  |
|-----|---------------------------------------------------------------|--|
| 003 | Mechanical interface                                          |  |
| A3  | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm |  |
| A4  | Flexible mounting adapter to standard VDI/VDE 3845            |  |
| A5  | EN ISO 5211 / F05                                             |  |

|     |                               |  |
|-----|-------------------------------|--|
| 004 | Display type                  |  |
| YR  | Position indicator yellow/red |  |

|     |                 |  |
|-----|-----------------|--|
| 005 | Measuring range |  |
| 90  | 0 ... 90°       |  |

|     |                                      |  |
|-----|--------------------------------------|--|
| 006 | Sensor principle                     |  |
| MW  | Floating contact, changeover contact |  |
| N   | Proximity sensor, inductive          |  |
| R   | With contacts (reed)                 |  |

|     |                           |  |
|-----|---------------------------|--|
| 007 | Nominal operating voltage |  |
| 1   | 24 V DC                   |  |
| 2A  | 110 V AC/50-60 Hz         |  |
| 20N | 8.2 V DC (Namur)          |  |
| 22A | 230 V AC                  |  |

|     |                                         |  |
|-----|-----------------------------------------|--|
| 008 | Electrical output 1                     |  |
| 1W  | 1-pin toggle switch                     |  |
| 1WG | 1-pole changeover switch (gold contact) |  |
| N   | NPN                                     |  |
| P   | PNP                                     |  |
| ZC  | 2-wire N/C contact                      |  |
| ZU  | 2-wire N/O contact                      |  |

|     |                       |  |
|-----|-----------------------|--|
| 009 | Electrical connection |  |
| C2  | Screw terminal        |  |
| M12 | Plug M12, A-coded     |  |

|     |                  |  |
|-----|------------------|--|
| 010 | Cable connector  |  |
|     | Without          |  |
| P20 | M20x1.5, polymer |  |

|     |                  |  |
|-----|------------------|--|
| 011 | EU certification |  |
|     | None             |  |
| EX6 | II 1GD           |  |

## Datasheet

**General technical data - Sensor principle [MW] potential-free contact, change-over switch**

|                                                                          |                                                                            |                                                    |                                                                                |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|
| Electrical output 1                                                      | 1-pin toggle switch                                                        |                                                    | 1-pole changeover switch (gold contact)                                        |
| Nominal operating voltage                                                | 24 V DC                                                                    | 230 V AC                                           | 24 V DC                                                                        |
| Dimensions (W x L x H)                                                   | 127 mm x 111 mm x 122 mm                                                   | 114 mm x 98 mm x 122 mm<br>127 mm x 98 mm x 122 mm | 114 mm x 98 mm x 122 mm<br>127 mm x 111 mm x 122 mm<br>127 mm x 98 mm x 122 mm |
| Setting range of angular detection                                       | 0 ... 90 deg                                                               |                                                    |                                                                                |
| Position indicator                                                       | Yellow/red                                                                 |                                                    |                                                                                |
| Housing colour                                                           | grey                                                                       |                                                    |                                                                                |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1<br>VDI/VDE 3845 size AA 2<br>VDI/VDE 3845 size AA 3 |                                                    |                                                                                |
| Mounting position                                                        | optional                                                                   |                                                    |                                                                                |
| Type of mounting                                                         | –                                                                          | On flange according to ISO 5211                    |                                                                                |
| Product weight                                                           | 800 g                                                                      |                                                    |                                                                                |
| Microswitch type                                                         | Omron SS-5                                                                 |                                                    | Omron D2SW-01L1T                                                               |

**General technical data - Sensor principle [R] contact (reed)**

|                                                                          |                         |  |  |
|--------------------------------------------------------------------------|-------------------------|--|--|
| Electrical output 1                                                      | 1-pin toggle switch     |  |  |
| Nominal operating voltage                                                | 110 V AC/50-60 Hz       |  |  |
| Dimensions (W x L x H)                                                   | 127 mm x 98 mm x 122 mm |  |  |
| Setting range of angular detection                                       | 0 ... 90 deg            |  |  |
| Position indicator                                                       | Yellow/red              |  |  |
| Housing colour                                                           | grey                    |  |  |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1  |  |  |
| Mounting position                                                        | optional                |  |  |
| Type of mounting                                                         | –                       |  |  |
| Product weight                                                           | 800 g                   |  |  |
| Microswitch type                                                         | Hamlin 59140-030        |  |  |

**General technical data - Sensor principle [N] proximity switch, inductive**

|                                                                          |                         |                                                                            |                    |                         |
|--------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------|--------------------|-------------------------|
| Electrical output 1                                                      | NPN                     | PNP                                                                        | 2-wire N/C contact | 2-wire N/O contact      |
| Nominal operating voltage                                                | 24 V DC                 |                                                                            | 8.2 V DC (Namur)   | 24 V DC                 |
| Dimensions (W x L x H)                                                   | 127 mm x 98 mm x 122 mm | 114 mm x 98 mm x 122 mm, 127 mm x 111 mm x 122 mm, 127 mm x 98 mm x 122 mm |                    | 127 mm x 98 mm x 122 mm |
| Setting range of angular detection                                       | 0 ... 90 deg            |                                                                            |                    |                         |
| Position indicator                                                       | Yellow/red              |                                                                            |                    |                         |
| Housing colour                                                           | grey                    |                                                                            |                    |                         |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1  | VDI/VDE 3845 size AA 1<br>VDI/VDE 3845 size AA 2<br>VDI/VDE 3845 size AA 3 |                    | VDI/VDE 3845 size AA 1  |
| Mounting position                                                        | optional                |                                                                            |                    |                         |
| Type of mounting                                                         | –                       | On flange according to ISO 5211                                            |                    | –                       |
| Product weight                                                           | 800 g                   |                                                                            |                    |                         |
| Microswitch type                                                         | P&F NBB2-V3-E0          | P&F NBB2-V3-E2                                                             | P&F NCB2-V3-N0     | P&F NBB3-V3-Z4          |

## Datasheet

**Electrical characteristics - Sensor principle [MW] potential-free contact, change-over switch**

|                                                 |                            |             |                                                          |
|-------------------------------------------------|----------------------------|-------------|----------------------------------------------------------|
| Electrical output 1                             | 1-pin toggle switch        |             | 1-pole changeover switch (gold contact)                  |
| Nominal operating voltage                       | 24 V DC                    | 230 V AC    | 24 V DC                                                  |
| Switching output                                | Contacting                 |             | Contacting (gold)                                        |
| Measuring principle                             | Mechanical/electrical      |             |                                                          |
| Switching element function                      | Toggle switch, single-pole |             |                                                          |
| Operational voltage range AC                    | –                          | 0 ... 250 V | –                                                        |
| Max. output current AC                          | –                          | 3 A         | –                                                        |
| Operational voltage range DC                    | 0 ... 30 V                 |             |                                                          |
| Max. output current DC                          | 2 A                        | 3 A         | 100 mA                                                   |
| Max. input voltage Ui                           | –                          |             | 30 V                                                     |
| Effective internal inductivity Li               | –                          |             | Negligibly low                                           |
| Effective internal capacitance Ci               | –                          |             | Negligibly low                                           |
| Max. intrinsically safe circuit input parameter | –                          |             | See IECEx certificate<br>See ATEX certificate            |
| Certificate issuing authority                   | –                          |             | FTZU 17 ATEX 0105X<br>GYJ20.1409X<br>IECEx FTZU 17.0017X |

**Electrical characteristics - Sensor principle [R] contact (reed)**

|                              |                            |  |
|------------------------------|----------------------------|--|
| Electrical output 1          | 1-pin toggle switch        |  |
| Nominal operating voltage    | 110 V AC/50-60 Hz          |  |
| Switching output             | Contacting                 |  |
| Measuring principle          | Magnetic reed              |  |
| Switching element function   | Toggle switch, single-pole |  |
| Operational voltage range AC | 0 ... 120 V                |  |
| Max. output current AC       | 0.18 A                     |  |
| Operational voltage range DC | 0 ... 175 V                |  |
| Max. output current DC       | 0.25 A                     |  |

**Electrical characteristics - sensor principle [N] proximity switch, inductive**

|                                                               |                                         |                                                          |
|---------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------|
| Switching output                                              | NAMUR, NPN, PNP, Non-contacting, 2-wire | NAMUR                                                    |
| Measuring principle                                           | Inductive                               |                                                          |
| Switching element function                                    | N/C contact, N/O contact                | N/C contact                                              |
| Max. switching frequency                                      | 1,000, 2,000                            | 2,000                                                    |
| Operational voltage range DC                                  | 5 ... 60 V                              | 8.2 V                                                    |
| Max. input voltage Ui                                         | –                                       | 16 V                                                     |
| Max. output current DC                                        | 3 ... 100 mA                            | 3 mA                                                     |
| Voltage drop                                                  | ≤4 V                                    | –                                                        |
| No-load supply current                                        | ≤15 mA                                  | –                                                        |
| Off-state current                                             | 0 ... 1 mA                              | 0 ... 0.5 mA                                             |
| Min. load current                                             | 4 mA                                    | –                                                        |
| Effective internal inductivity Li                             | –                                       | 100 µH                                                   |
| Effective internal capacitance Ci                             | –                                       | 100 nF                                                   |
| Max. intrinsically safe circuit input parameter <sup>1)</sup> | –                                       | See IECEx certificate<br>See ATEX certificate            |
| Certificate issuing authority                                 | –                                       | FTZU 17 ATEX 0105X<br>GYJ20.1409X<br>IECEx FTZU 17.0017X |
| Reverse polarity protection                                   | For all electrical connections          | –                                                        |
| Short circuit current rating                                  | Pulsed                                  | –                                                        |

1) More information [www.festo.com/catalogue/srbc](http://www.festo.com/catalogue/srbc) -> Downloads

## Datasheet

| Electromechanics - Sensor principle [MW] potential-free contact, change-over switch |                                  |                        |                                         |                                  |
|-------------------------------------------------------------------------------------|----------------------------------|------------------------|-----------------------------------------|----------------------------------|
| Electrical output 1                                                                 | 1-pin toggle switch              |                        | 1-pole changeover switch (gold contact) |                                  |
| Electrical connection 1, connector system                                           | M12x1, A-coded to EN 61076-2-101 | Spring-loaded terminal |                                         | M12x1, A-coded to EN 61076-2-101 |
| Max. output current DC                                                              | 2 A                              | 3 A                    | 100 mA                                  |                                  |
| Cable fitting                                                                       | –                                | M20x1.5                | –                                       |                                  |
| Permissible cable diameter                                                          | 5 ... 13 mm                      |                        | 6 ... 12 mm                             | 5 ... 13 mm                      |
| Electrical connection 1, connection type                                            | Plugs                            | Terminal strip         |                                         | Plugs                            |
| Electrical connection 1, cable outlet                                               | Straight                         |                        |                                         |                                  |
| Electrical connection 1, design                                                     | Round                            | –                      |                                         | Round                            |
| Electrical connection 1, number of connections/cores                                | 8                                | 10                     |                                         | 8                                |
| Electrical connection 1, used connections/cores                                     | 8                                |                        |                                         |                                  |
| Connectable nominal cross section conductor                                         | 0.25 ... 2.5 mm²                 |                        |                                         |                                  |
| Material cable gland                                                                | –                                | PA                     | –                                       |                                  |
| Material blanking plug                                                              | –                                | PA                     | –                                       |                                  |

| Electromechanics - Sensor principle [R] contacting (reed) |                              |
|-----------------------------------------------------------|------------------------------|
| Electrical output 1                                       | 1-pin toggle switch          |
| Nominal operating voltage                                 | 110 V AC/50-60 Hz            |
| Cable fitting                                             | M20x1.5                      |
| Permissible cable diameter                                | 5 ... 13 mm                  |
| Electrical connection                                     | Screw terminal               |
| Electrical connection 1, connection type                  | Terminal strip               |
| Electrical connection 1, cable outlet                     | Straight                     |
| Electrical connection 1, connector system                 | Spring-loaded terminal       |
| Electrical connection 1, number of connections/cores      | 10                           |
| Electrical connection 1, used connections/cores           | 8                            |
| Connectable nominal cross section conductor               | 0.25 ... 2.5 mm <sup>2</sup> |
| Material cable gland                                      | PA                           |
| Material blanking plug                                    | PA                           |

| Electromechanics - Sensor principle [N] proximity switch, inductive |                                         |
|---------------------------------------------------------------------|-----------------------------------------|
| Switching output                                                    | NAMUR, NPN, PNP, Non-contacting, 2-wire |
| Cable fitting                                                       | M20x1.5                                 |
| Permissible cable diameter                                          | 5 ... 13 mm                             |
| Electrical connection                                               | M12<br>Screw terminal                   |
| Connectable nominal cross section conductor                         | 0.25 ... 2.5 mm <sup>2</sup>            |
| Material cable gland                                                | PA                                      |
| Material blanking plug                                              | PA                                      |

## Datasheet

## Operating and environmental conditions - sensor principle [MW] potential-free contact, change-over switch

|                                                       |                                                                                                 |                                                                                                            |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Switching output                                      | Contacting                                                                                      | Contacting (gold)                                                                                          |
| Ambient temperature                                   | -20 ... 80°C                                                                                    | -40 ... 80°C                                                                                               |
| Storage temperature                                   | -20 ... 50°C                                                                                    |                                                                                                            |
| Degree of protection                                  | IP67<br>NEMA 4/4X                                                                               | IP66                                                                                                       |
| Shock resistance <sup>1)</sup>                        | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                               |                                                                                                            |
| Vibration resistance <sup>2)</sup>                    | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6                |                                                                                                            |
| Corrosion resistance class CRC                        | 0 - No corrosion stress                                                                         |                                                                                                            |
| Pollution degree                                      | 3                                                                                               |                                                                                                            |
| Safety Integrity Level (SIL)                          | SIL 2                                                                                           |                                                                                                            |
| CE mark (see declaration of conformity) <sup>3)</sup> | To EU EMC Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive      | To EU EMC Directive<br>To EU Explosion Protection Directive (ATEX)<br>In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity)            | To UK instructions for EMC, To UK RoHS instructions, To UK regulations for electrical equipment | To UK instructions for EMC, To UK EX instructions, To UK RoHS instructions                                 |
| KC mark                                               | KC-EMV                                                                                          | —                                                                                                          |
| Approval                                              | c CSA us (OL)                                                                                   | —                                                                                                          |
| ATEX category gas                                     | —                                                                                               | II 1G                                                                                                      |
| Explosion ignition protection type for gas            | —                                                                                               | Ex ia IIC T6...T1 Ga                                                                                       |
| ATEX category dust                                    | —                                                                                               | II 1D                                                                                                      |
| Explosion ignition protection type for dust           | —                                                                                               | Ex i IIIC Txx°C Da                                                                                         |
| Explosion ambient temperature                         | —                                                                                               | See ATEX certificate<br>See IECEx certificate                                                              |
| Explosion protection certification outside the EU     | —                                                                                               | EPL Da (CN)<br>EPL Da (GB)<br>EPL Da (IECEX)<br>EPL Ga (CN)<br>EPL Ga (GB)<br>EPL Ga (IEC-EX)              |

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

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

## Datasheet

## Operating and environmental conditions - sensor principle [R] contacting (reed)

|                                                       |                                                                                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------|
| Switching output                                      | Contacting                                                                       |
| Ambient temperature                                   | -20 ... 80°C                                                                     |
| Storage temperature                                   | -20 ... 50°C                                                                     |
| Degree of protection                                  | IP67<br>NEMA 4/4X                                                                |
| Shock resistance <sup>1)</sup>                        | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance <sup>2)</sup>                    | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Corrosion resistance class CRC                        | 0 - No corrosion stress                                                          |
| Pollution degree                                      | 3                                                                                |
| Safety Integrity Level (SIL)                          | SIL 2                                                                            |
| CE mark (see declaration of conformity) <sup>3)</sup> | To EU Low Voltage Directive<br>In accordance with EU RoHS Directive              |
| CE marking (see declaration of conformity)            | To UK RoHS instructions, To UK regulations for electrical equipment              |
| KC mark                                               | KC-EMV                                                                           |
| Approval                                              | c CSA us (OL)                                                                    |
| ATEX category gas                                     | —                                                                                |
| Explosion ignition protection type for gas            | —                                                                                |
| ATEX category dust                                    | —                                                                                |
| Explosion ignition protection type for dust           | —                                                                                |
| Explosion ambient temperature                         | —                                                                                |
| Explosion protection certification outside the EU     | —                                                                                |

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

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

## Datasheet

## Operating and environmental conditions - sensor principle [N] proximity switch, inductive

| Switching output                                      | NAMUR                                                                                                      | NPN                                                         | PNP          | Non-contacting, 2-wire |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------|------------------------|
| Ambient temperature                                   | -20 ... 80°C                                                                                               | -20 ... 70°C                                                | -20 ... 80°C |                        |
| Storage temperature                                   | -20 ... 50°C                                                                                               |                                                             |              |                        |
| Degree of protection                                  | IP67<br>NEMA 4/4X                                                                                          |                                                             |              |                        |
| Shock resistance <sup>1)</sup>                        | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                                          |                                                             |              |                        |
| Vibration resistance <sup>2)</sup>                    | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6                           |                                                             |              |                        |
| Corrosion resistance class CRC                        | 0 - No corrosion stress                                                                                    |                                                             |              |                        |
| Pollution degree                                      | 3                                                                                                          |                                                             |              |                        |
| CE mark (see declaration of conformity) <sup>3)</sup> | To EU EMC Directive<br>To EU Explosion Protection Directive (ATEX)<br>In accordance with EU RoHS Directive | To EU EMC Directive<br>In accordance with EU RoHS Directive |              |                        |
| CE marking (see declaration of conformity)            | To UK instructions for EMC, To UK EX instructions, To UK RoHS instructions                                 | To UK instructions for EMC, To UK RoHS instructions         |              |                        |
| KC mark                                               | KC-EMV                                                                                                     |                                                             |              |                        |
| Approval                                              | RCM trademark<br>c CSA us (OL)                                                                             |                                                             |              |                        |
| ATEX category gas                                     | II 1G                                                                                                      | –                                                           |              |                        |
| Explosion ignition protection type for gas            | Ex ia IIC T6...T1 Ga                                                                                       | –                                                           |              |                        |
| ATEX category dust                                    | II 1D                                                                                                      | –                                                           |              |                        |
| Explosion ignition protection type for dust           | Ex i IIIC Txx°C Da                                                                                         | –                                                           |              |                        |
| Explosion ambient temperature                         | See ATEX certificate<br>See IECEx certificate                                                              | –                                                           |              |                        |
| Explosion protection certification outside the EU     | EPL Da (CN)<br>EPL Da (GB)<br>EPL Da (IECEx)<br>EPL Ga (CN)<br>EPL Ga (GB)<br>EPL Ga (IEC-EX)              | –                                                           |              |                        |
| Safety Integrity Level (SIL)                          | SIL 2                                                                                                      |                                                             |              |                        |

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

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

## Materials - Sensor principle [MW] potential-free contact, change-over switch

|                           |                               |
|---------------------------|-------------------------------|
| Switching output          | Contacting, Contacting (gold) |
| Material housing          | Die-cast aluminium            |
| Material cover cap        | PC                            |
| Material mounting bracket | High-alloy stainless steel    |
| Material shaft            | High-alloy stainless steel    |
| Material snap ring        | High-alloy stainless steel    |
| Material disc             | High-alloy stainless steel    |
| Material screws           | High-alloy stainless steel    |
| Material seals            | NBR, VMQ (silicone)           |
| Material indicator        | PC                            |
| Note on materials         | RoHS-compliant                |
| LABS (PWIS) conformity    | VDMA24364 zone III            |

## Datasheet

### Materials - Sensor principle [R] contacting (reed)

|                           |                            |
|---------------------------|----------------------------|
| Material housing          | Die-cast aluminium         |
| Material cover cap        | PC                         |
| Material mounting bracket | High-alloy stainless steel |
| Material shaft            | High-alloy stainless steel |
| Material snap ring        | High-alloy stainless steel |
| Material disc             | High-alloy stainless steel |
| Material screws           | High-alloy stainless steel |
| Material seals            | NBR                        |
| Material indicator        | PC                         |
| Note on materials         | RoHS-compliant             |
| LABS (PWIS) conformity    | VDMA24364 zone III         |

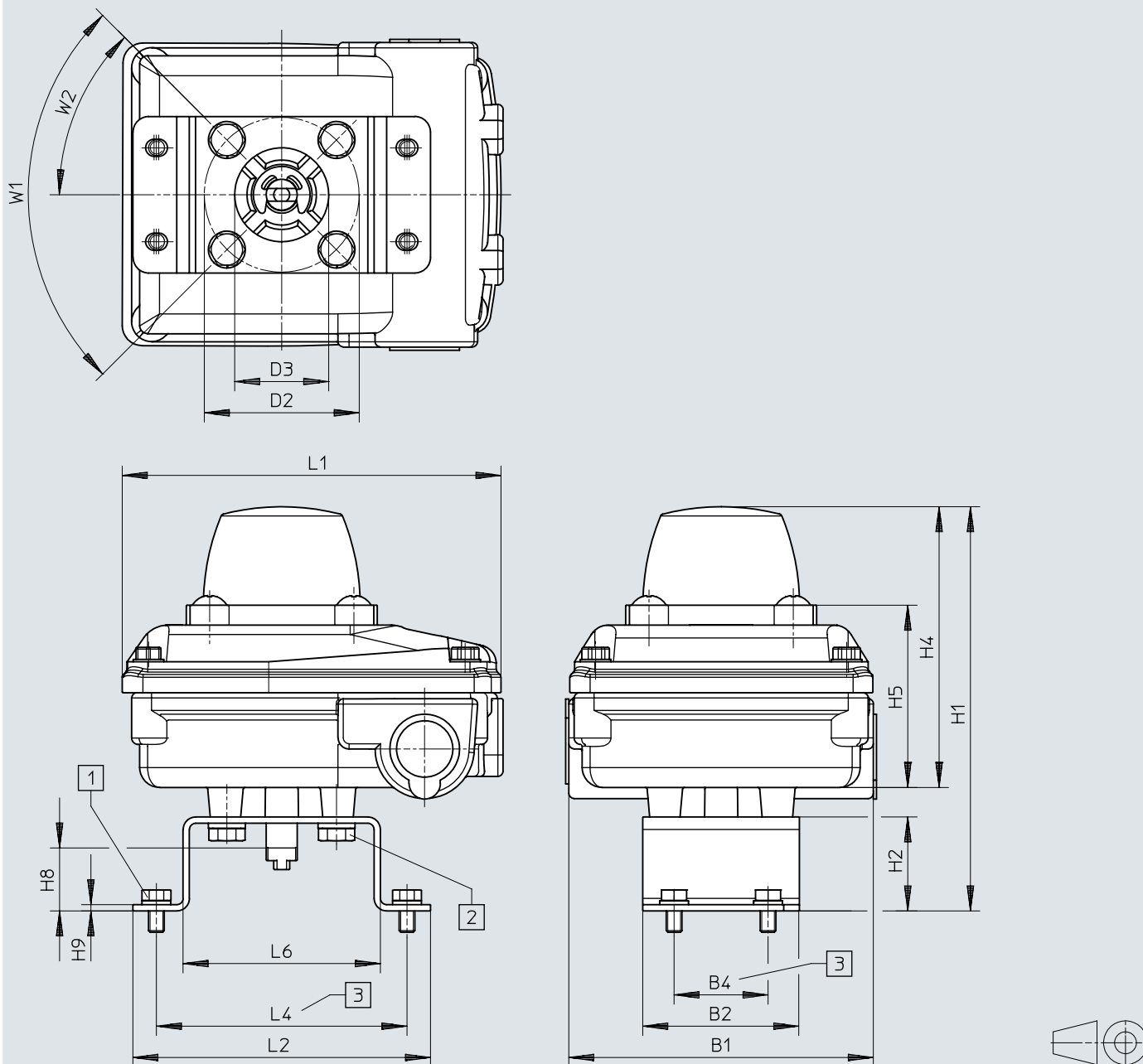
### Materials - Sensor principle [N] proximity switch, inductive

|                           |                            |
|---------------------------|----------------------------|
| Material housing          | Die-cast aluminium         |
| Material cover cap        | PC                         |
| Material mounting bracket | High-alloy stainless steel |
| Material shaft            | High-alloy stainless steel |
| Material snap ring        | High-alloy stainless steel |
| Material disc             | High-alloy stainless steel |
| Material screws           | High-alloy stainless steel |
| Material seals            | NBR                        |
| Material indicator        | PC                         |
| Note on materials         | RoHS-compliant             |
| LABS (PWIS) conformity    | VDMA24364 zone III         |

## Dimensions

Dimensions – SRBC-CA3-... with pre-assembled mounting adapter, hole pattern 30x80 mm

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



- [1] Screw ISO 4017 M5x8
- [2] Screw GB9074.12 M6x10
- [3] To VDI/VDE 3845

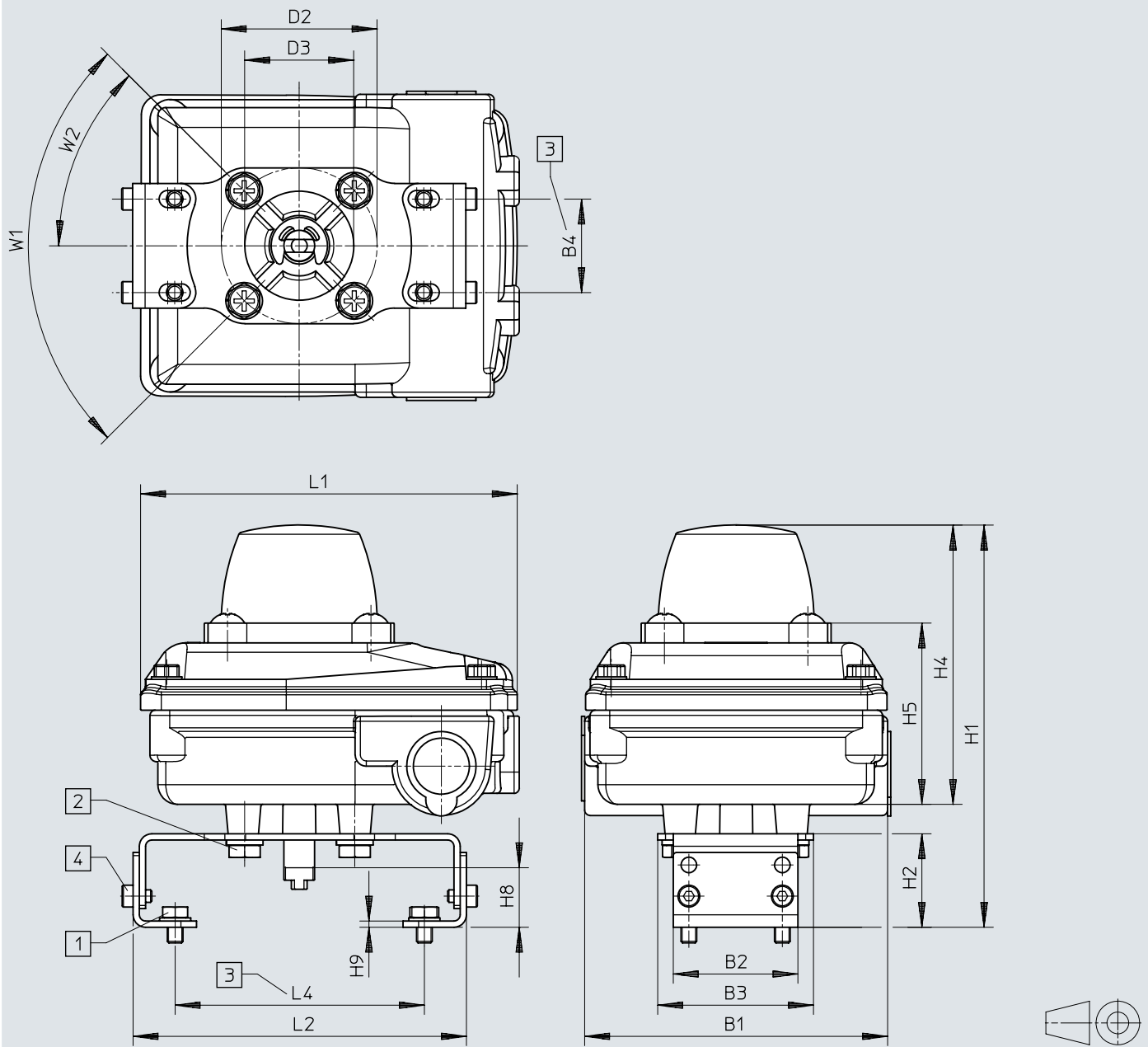
## Dimensions

|                   |                        | B1   | B2 | B4 | D2<br>Ø | D3<br>Ø | H1  | H2<br>+0,5 | H4  |     |
|-------------------|------------------------|------|----|----|---------|---------|-----|------------|-----|-----|
| SRBC-CA3-YR90-... | DARQ-K-X1-A1-F05-20-R1 | 98   | 50 | 30 | 50      | 30      | 129 | 30         | 90  |     |
|                   | DARQ-K-X1-A1-F05-30-R1 |      |    |    |         |         | 139 | 40         |     |     |
|                   |                        | H5   | H8 | H9 | L1      | L2      | L4  | L6         | W1  | W2  |
| SRBC-CA3-YR90-... | DARQ-K-X1-A1-F05-20-R1 | 58,2 | 20 | 2  | 120     | 95      | 80  | 63         | 90° | 45° |
|                   | DARQ-K-X1-A1-F05-30-R1 |      | 30 |    |         |         |     |            |     |     |

Dimensions

Dimensions – SRBC-CA4-... with pre-assembled flexible mounting adapter, 30x80 mm or 30x130 mm

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



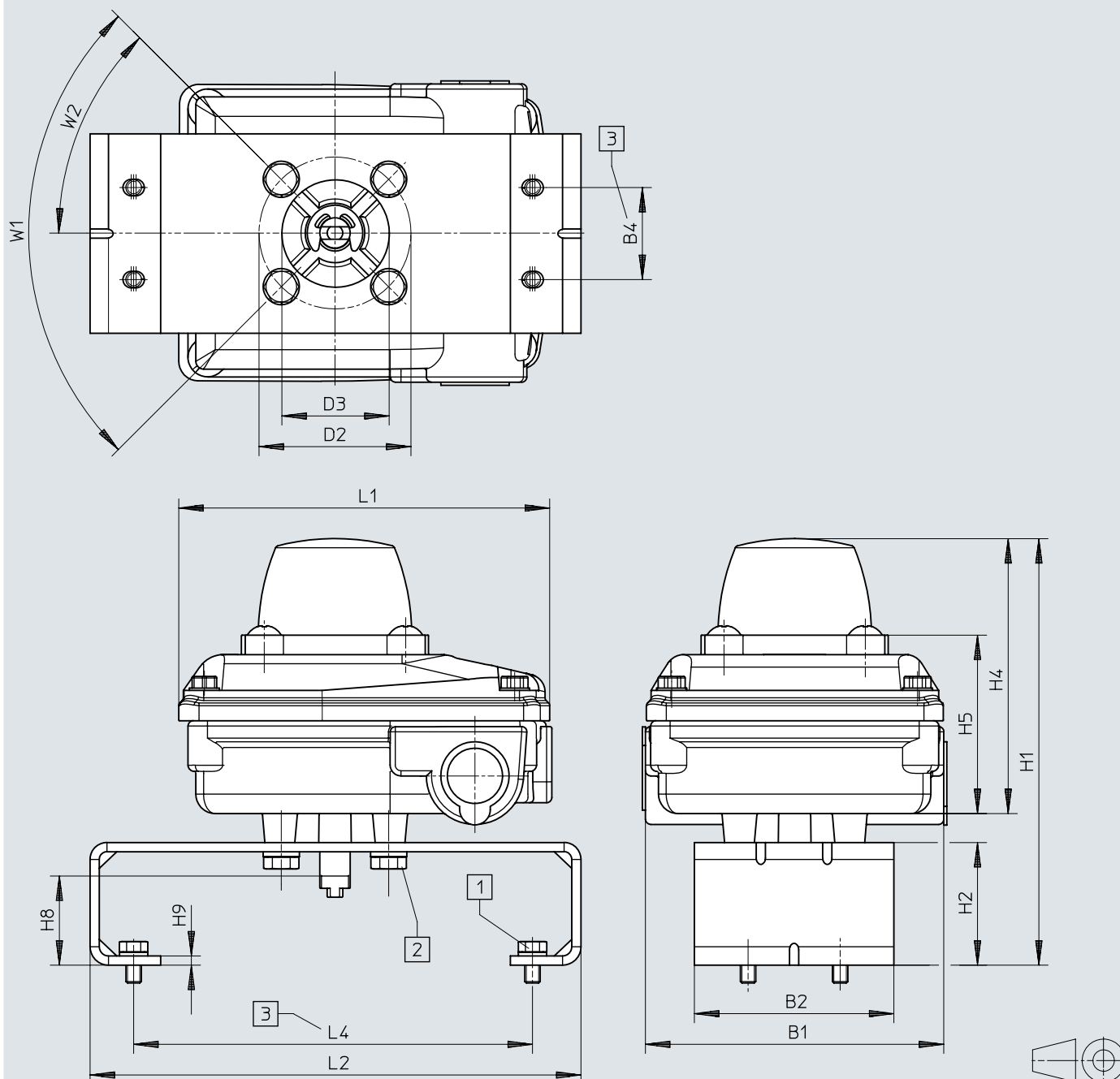
- [1] Screw ISO 4017 M5x8
- [2] Screw GB9074.12 M6x10
- [3] To VDI/VDE 3845
- [4] Screw ISO 4762 M4x6

|                   |                        | B1 | B2 | B3 | B4 | D2<br>Ø | D3<br>Ø | H1  | H2<br>+0,5 | H4 | H5   | H8<br>+0,5 | H9 | L1  | L2  | L4 | W1  | W2  |
|-------------------|------------------------|----|----|----|----|---------|---------|-----|------------|----|------|------------|----|-----|-----|----|-----|-----|
| SRBC-CA4-YR90-... | DARQ-K-X1-A3-F05-20-R1 | 98 | 40 | 50 | 30 | 50      | 35      | 129 | 30         | 90 | 58,2 | 19,1       | 2  | 120 | 107 | 80 | 90° | 45° |

## Dimensions

Dimensions – SRBC-CA5-..., mounting adapter according to EN ISO 5211/F05  
can be ordered as an accessory

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



- [1] Screw ISO 4017 M5x8
- [2] Screw GB9074.12 M6x10
- [3] To VDI/VDE 3845

Dimensions

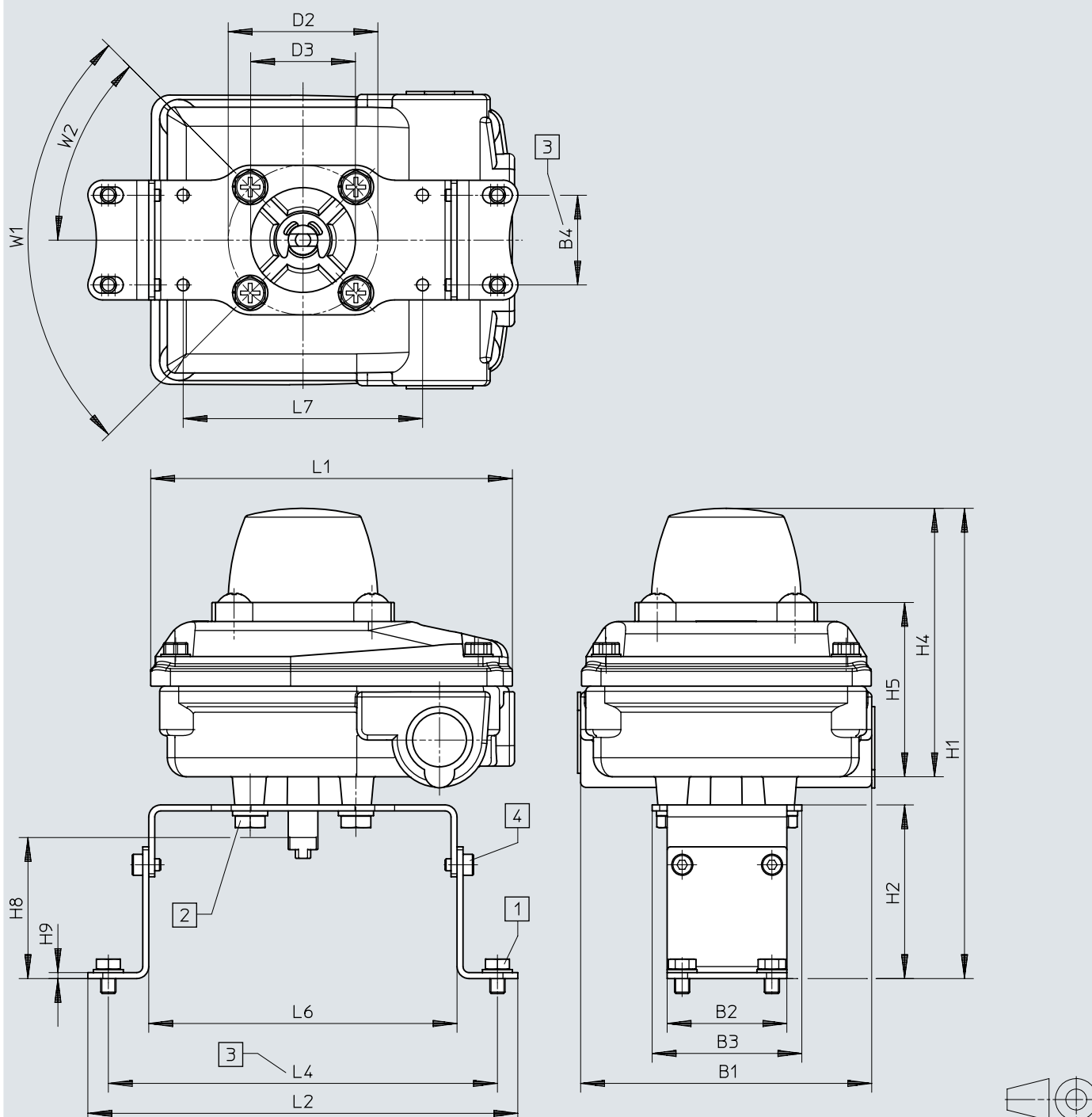
|                   |                        | B1 | B2 | B4 | D2<br>Ø | D3<br>Ø | H1  | H2<br>+0,5 | H4 |
|-------------------|------------------------|----|----|----|---------|---------|-----|------------|----|
| SRBC-CA5-YR90-... | DARQ-K-X1-A2-F05-30-R1 | 98 | 65 | 30 | 50      | 35      | 139 | 40         | 90 |

|                   |                        | H5   | H8 | H9 | L1  | L2  | L4  | W1  | W2  |
|-------------------|------------------------|------|----|----|-----|-----|-----|-----|-----|
| SRBC-CA5-YR90-... | DARQ-K-X1-A2-F05-30-R1 | 58,2 | 30 | 3  | 120 | 160 | 130 | 90° | 45° |

## Dimensions

Dimensions – SRBC-CA5-..., mounting adapter according to EN ISO 5211/F05  
can be ordered as an accessory

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



- [1] Screw ISO 4017 M5x8
- [2] Screw GB9074.12 M6x10
- [3] To VDI/VDE 3845
- [4] Screw ISO 4762 M4x6

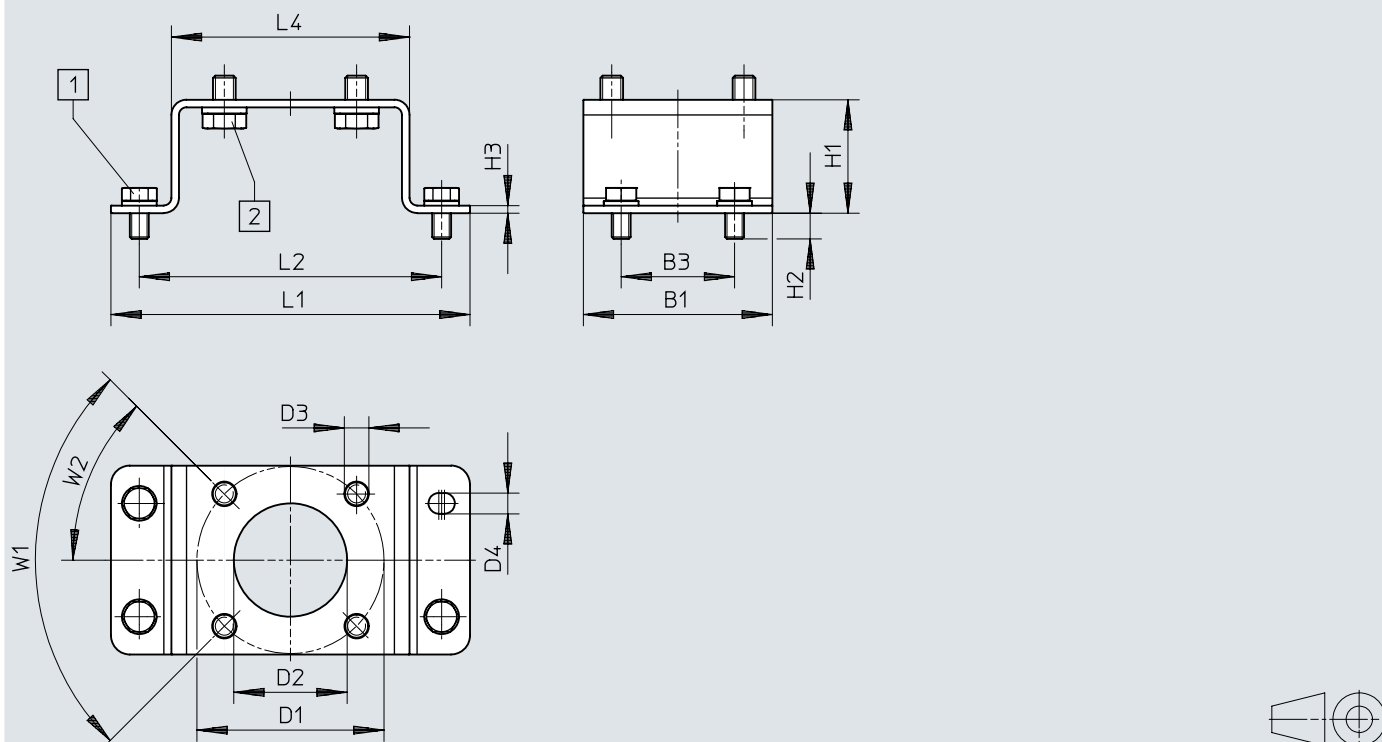
Dimensions

|                   |                        | B1 | B2 | B3 | B4 | D2<br>Ø | D3<br>Ø | H1  | H2<br>+0,5 | H4 | H5   |
|-------------------|------------------------|----|----|----|----|---------|---------|-----|------------|----|------|
| SRBC-CA5-YR90-... | DARQ-K-X1-A3-F05-50-R1 | 98 | 40 | 50 | 30 | 50      | 35      | 157 | 58         | 90 | 58,2 |

|                   |                        | H8<br>+0,5 | H9 | L1  | L2    | L4  | L6  | L7 | W1  | W2  |
|-------------------|------------------------|------------|----|-----|-------|-----|-----|----|-----|-----|
| SRBC-CA5-YR90-... | DARQ-K-X1-A3-F05-50-R1 | 47,1       | 2  | 120 | 143,7 | 130 | 103 | 80 | 90° | 45° |

## Dimensions

### Dimensions – Mounting adapter DARQ-K-X1-A1-F05-...-R1

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


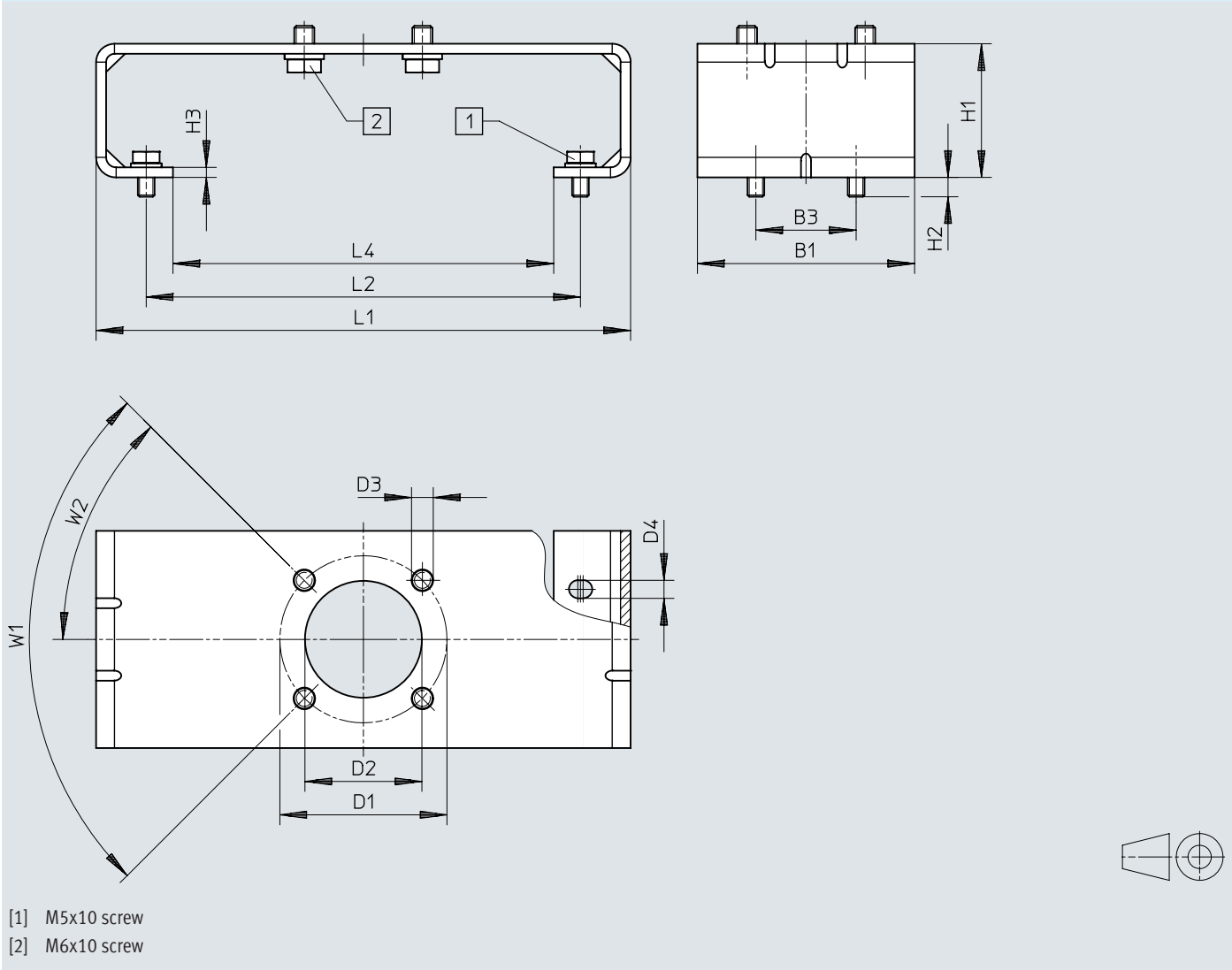
[1] Screw, M5x8 (4x)

[2] Screw, M6x10 (4x)

|                        | B1 | B3 | D1<br>ø | D2<br>ø | D3<br>ø | D4<br>ø | H1<br>+0,5 | H2  | H3 | L1 | L2 | L4 | W1  | W2  |
|------------------------|----|----|---------|---------|---------|---------|------------|-----|----|----|----|----|-----|-----|
| DARQ-K-X1-A1-F05-20-R1 | 50 | 30 | 50      | 30      | 6,5     | 5,5     | 30         | 6,8 | 2  | 95 | 80 | 63 | 90° | 45° |
| DARQ-K-X1-A1-F05-30-R1 |    |    |         |         |         |         | 40         |     |    |    |    |    |     |     |

Dimensions

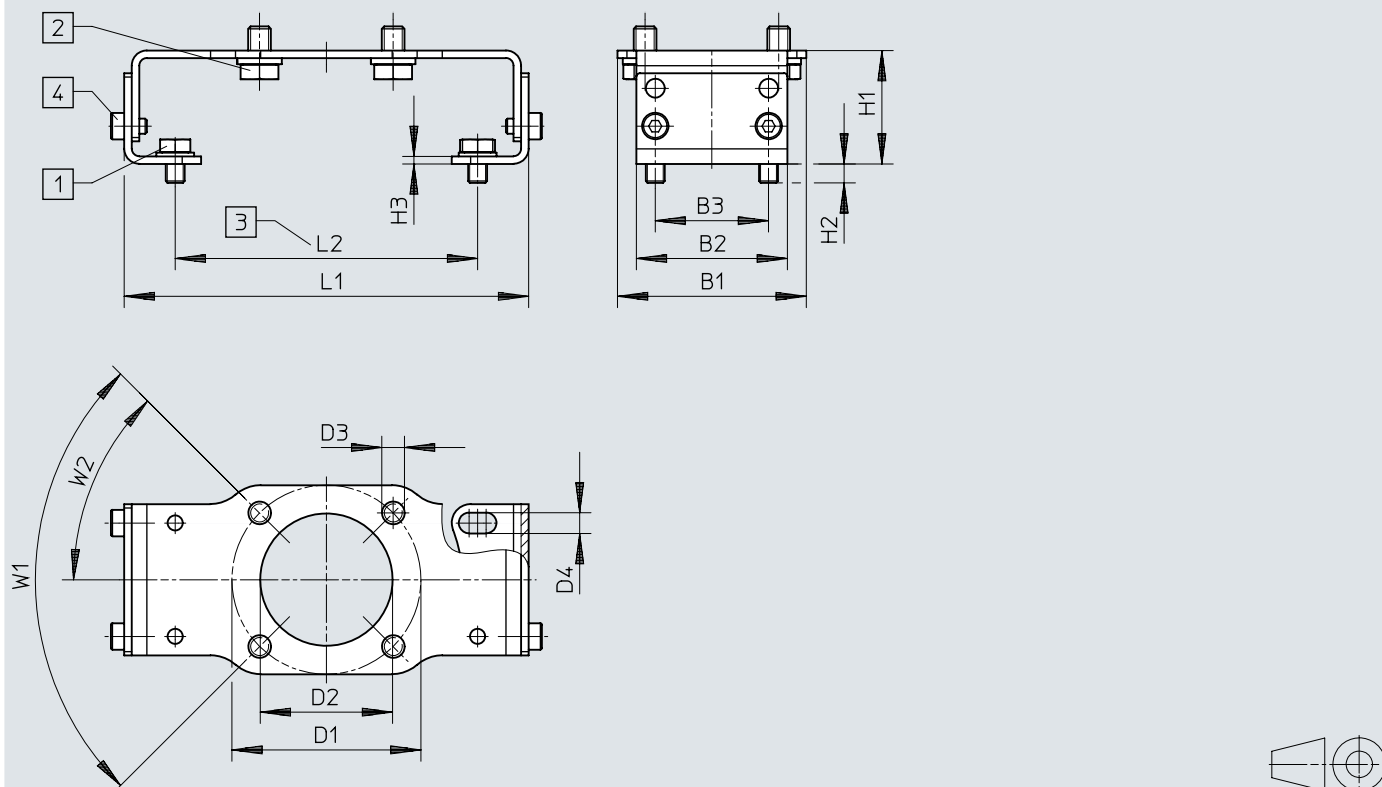
Dimensions – Mounting adapter DARQ-K-X1-A2-F05-30-R1 Download CAD data [www.festo.com](http://www.festo.com)



|                        | B1 | B3 | D1<br>ø | D2<br>ø | D3<br>ø | D4<br>ø | H1<br>+0,5 | H2  | H3 | L1  | L2  | L4  | W1  | W2  |
|------------------------|----|----|---------|---------|---------|---------|------------|-----|----|-----|-----|-----|-----|-----|
| DARQ-K-X1-A2-F05-30-R1 | 65 | 30 | 50      | 35      | 6,5     | 5,4     | 40         | 5,8 | 3  | 160 | 130 | 114 | 90° | 45° |

## Dimensions

**Dimensions – Mounting adapter DARQ-K-X1-A3-F05-20-R1**

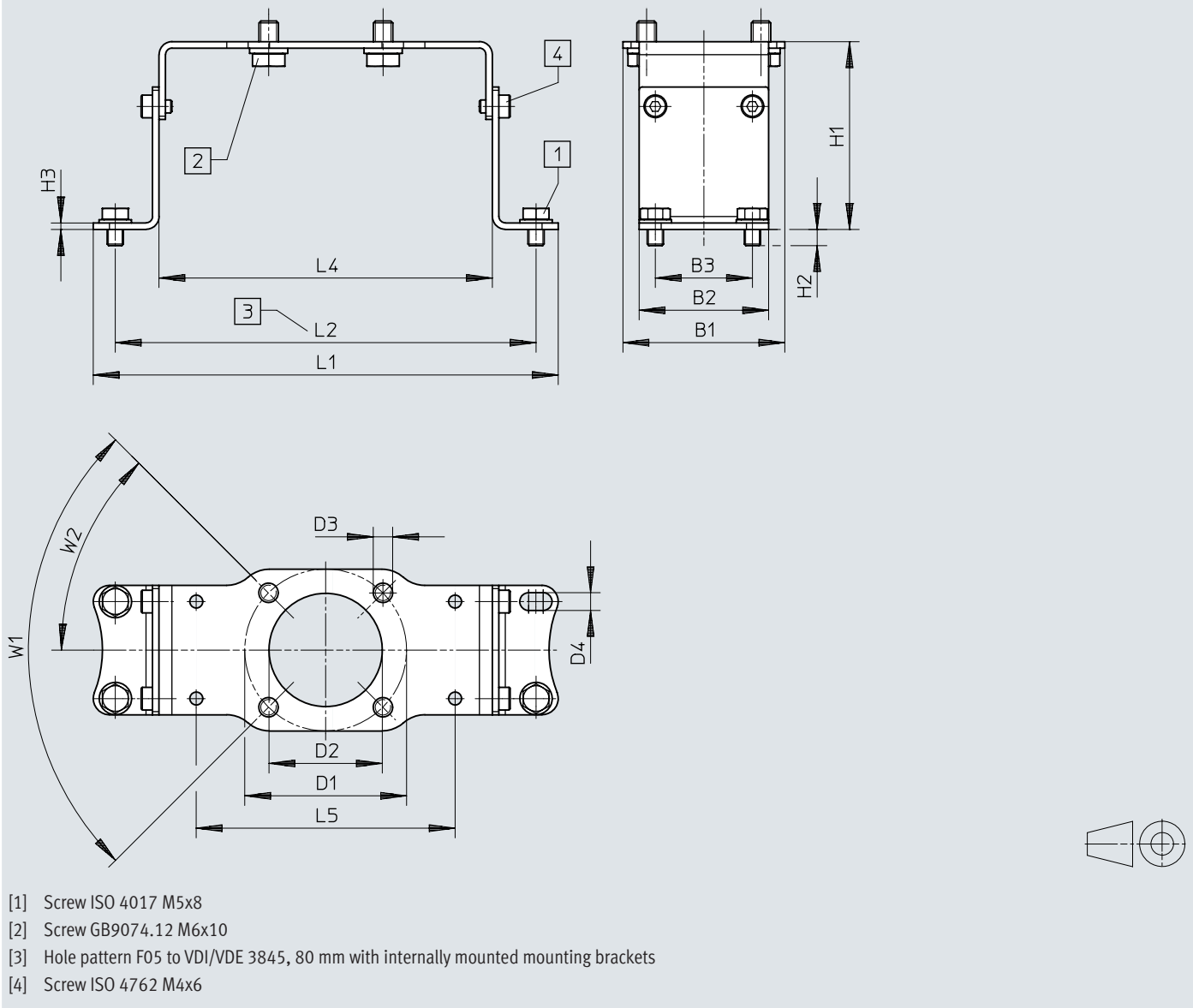
 Download CAD data [www.festo.com](http://www.festo.com)


- [1] Screw ISO 4017 M5x8  
 [2] Screw GB9074.12 M6x10  
 [3] Hole pattern F05 to VDI/VDE 3845, 130 mm with externally mounted mounting brackets  
 [4] Screw ISO 4762 M4x6

|                        | B1 | B2 | B3 | D1<br>Ø | D2<br>Ø | D3<br>Ø | D4<br>Ø | H1<br>+0,5 | H2 | H3 | L1  | L2 | W1  | W2  |
|------------------------|----|----|----|---------|---------|---------|---------|------------|----|----|-----|----|-----|-----|
| DARQ-K-X1-A3-F05-20-R1 | 50 | 40 | 30 | 50      | 35      | 6       | 5,5     | 30         | 5  | 2  | 107 | 80 | 90° | 45° |

Dimensions

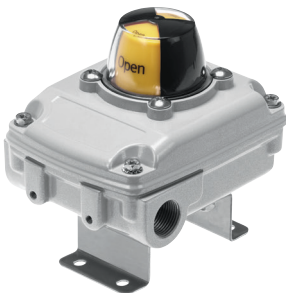
Dimensions – Mounting adapter DARQ-K-X1-A3-F05-50-R1 Download CAD data [www.festo.com](http://www.festo.com)



|                        | B1 | B2 | B3 | D1<br>ø | D2<br>ø | D3<br>ø | D4<br>ø | H1<br>+0,5 | H2 | H3 | L1    | L2  | L4  | L5 | W1  | W2  |
|------------------------|----|----|----|---------|---------|---------|---------|------------|----|----|-------|-----|-----|----|-----|-----|
| DARQ-K-X1-A3-F05-50-R1 | 50 | 40 | 30 | 50      | 35      | 6       | 5,5     | 58         | 5  | 2  | 143,7 | 130 | 103 | 80 | 90° | 45° |

## Ordering data

| Sensor principle [MW] potential-free contact, change-over switch                  |                           |                                         |                                                               |                  |                  |           |                               |
|-----------------------------------------------------------------------------------|---------------------------|-----------------------------------------|---------------------------------------------------------------|------------------|------------------|-----------|-------------------------------|
|                                                                                   | Nominal operating voltage | Electrical output 1                     | Mechanical interface                                          | Cable connector  | EU certification | Part no.  | Type                          |
|  | 24 V DC                   | 1-pin toggle switch                     | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | Without          | None             | 8137098   | SRBC-CA3-YR90-MW-1-1W-M12     |
|                                                                                   |                           |                                         | Flexible mounting adapter to standard VDI/VDE 3845            |                  |                  | 8137102   | SRBC-CA4-YR90-MW-1-1W-M12     |
|                                                                                   |                           | 1-pole changeover switch (gold contact) | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm |                  | II 1GD           | 8137099   | SRBC-CA3-YR90-MW-1-1WG-M12    |
|                                                                                   |                           |                                         | Flexible mounting adapter to standard VDI/VDE 3845            |                  |                  | 8137093   | SRBC-CA3-YR90-MW-1-1WG-C2-EX6 |
|                                                                                   |                           |                                         | EN ISO 5211 / F05                                             |                  |                  | 8137095   | SRBC-CA4-YR90-MW-1-1WG-C2-EX6 |
|                                                                                   |                           |                                         |                                                               |                  |                  | 8137104   | SRBC-CA5-YR90-MW-1-1WG-C2-EX6 |
|                                                                                   | 230 V AC                  | 1-pin toggle switch                     | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | M20x1.5, polymer | None             | ★ 3482805 | SRBC-CA3-YR90-MW-22A-1W-C2P20 |
|                                                                                   |                           |                                         | Flexible mounting adapter to standard VDI/VDE 3845            | Without          |                  | 8137094   | SRBC-CA4-YR90-MW-22A-1W-C2    |
|                                                                                   |                           |                                         | EN ISO 5211 / F05                                             |                  |                  | 8137103   | SRBC-CA5-YR90-MW-22A-1W-C2    |

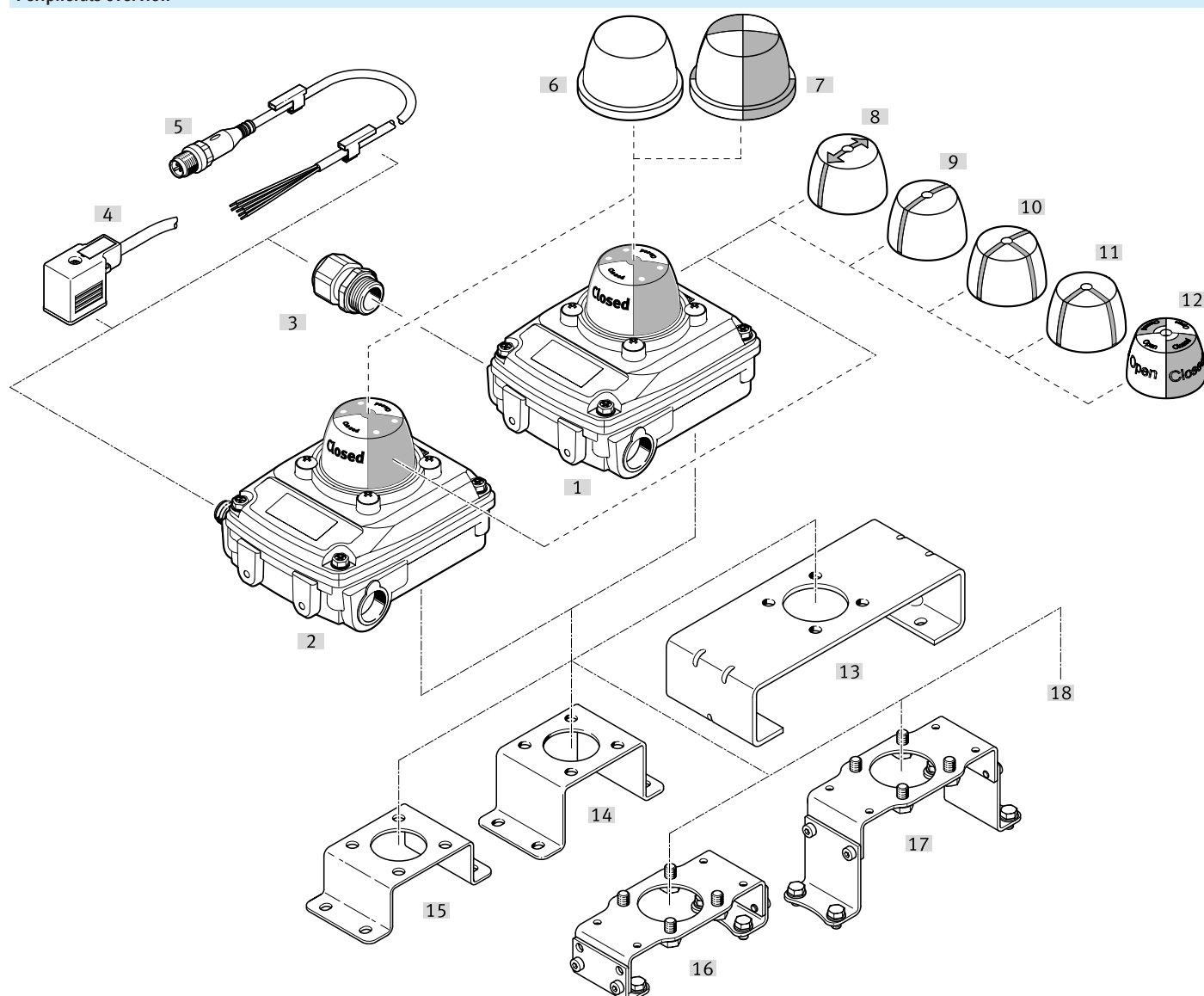
| Sensor principle [R] contacting (reed)                                              |                           |                     |                                                               |                  |                  |          |                             |
|-------------------------------------------------------------------------------------|---------------------------|---------------------|---------------------------------------------------------------|------------------|------------------|----------|-----------------------------|
|                                                                                     | Nominal operating voltage | Electrical output 1 | Mechanical interface                                          | Cable connector  | EU certification | Part no. | Type                        |
|  | 110 V AC/50-60 Hz         | 1-pin toggle switch | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | M20x1.5, polymer | None             | 3482811  | SRBC-CA3-YR90-R-2A-1W-C2P20 |

## Ordering data

| Inductive                                                                        |                           |                                                    |                                                               |                  |                  |                               |                                  |
|----------------------------------------------------------------------------------|---------------------------|----------------------------------------------------|---------------------------------------------------------------|------------------|------------------|-------------------------------|----------------------------------|
|                                                                                  | Nominal operating voltage | Electrical output 1                                | Mechanical interface                                          | Cable connector  | EU certification | Part no.                      | Type                             |
|  | 24 V DC                   | NPN                                                | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | M20x1.5, polymer | None             | 3482809                       | SRBC-CA3-YR90-N-1-N-C2P20        |
|                                                                                  |                           | PNP                                                |                                                               | Without          |                  | 8137101                       | SRBC-CA3-YR90-N-1-P-M12          |
|                                                                                  |                           |                                                    |                                                               | M20x1.5, polymer |                  | ★ 3482808                     | SRBC-CA3-YR90-N-1-P-C2P20        |
|                                                                                  |                           | Flexible mounting adapter to standard VDI/VDE 3845 | Without                                                       | 8137097          |                  | SRBC-CA4-YR90-N-1-P-C2        |                                  |
|                                                                                  |                           |                                                    | EN ISO 5211 / F05                                             | 8137106          |                  | SRBC-CA5-YR90-N-1-P-C2        |                                  |
|                                                                                  | 8.2 V DC (Naur)           | 2-wire N/O contact                                 | Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm | M20x1.5, polymer | II 1GD           | 3482810                       | SRBC-CA3-YR90-N-1-ZU-C2P20       |
|                                                                                  |                           | 2-wire N/C contact                                 |                                                               | Without          |                  | 8137100                       | SRBC-CA3-YR90-N-20N-ZC-M12       |
|                                                                                  |                           |                                                    |                                                               | M20x1.5, polymer |                  | ★ 3482807                     | SRBC-CA3-YR90-N-20N-ZC-C2P20-EX6 |
|                                                                                  |                           | Flexible mounting adapter to standard VDI/VDE 3845 | Without                                                       | 8137096          |                  | SRBC-CA4-YR90-N-20N-ZC-C2-EX6 |                                  |
|                                                                                  |                           |                                                    | EN ISO 5211 / F05                                             | 8137105          |                  | SRBC-CA5-YR90-N-20N-ZC-C2-EX6 |                                  |

## Peripherals

### Peripherals overview

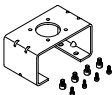


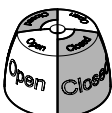
| Accessories                           |                                                                                                                                                                                                                                                                                                     |  | → Link               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| Type/order code                       | Description                                                                                                                                                                                                                                                                                         |  |                      |
| [1] Limit switch box SRBC             | <ul style="list-style-type: none"> <li>Measuring principle electromechanical and magnetic reed</li> <li>Inductive</li> </ul>                                                                                                                                                                        |  | <a href="#">srbc</a> |
| [2] Limit switch box SRBC-...-M12     | Electrical connection M12 plug, A-coded                                                                                                                                                                                                                                                             |  | <a href="#">srbc</a> |
| [3] Cable connector NETC-P-M20        | <ul style="list-style-type: none"> <li>For limit switch box variants SRBC-...-M12-...</li> <li>M20x1.5 polymer cable connector included in the scope of delivery of the limit switch box</li> <li>Additional cable connectors can be ordered separately as accessories</li> </ul>                   |  | <a href="#">28</a>   |
| [4] Connecting cables NEBV            | <ul style="list-style-type: none"> <li>For valve connection for limit switch boxes with terminal connection</li> <li>Angled socket, plug pattern type A, EN 175301-803 or plug pattern type B, according to industrial standard 11 mm</li> <li>Can be ordered separately as an accessory</li> </ul> |  | <a href="#">28</a>   |
| [5] Connecting cables NEBU            | <ul style="list-style-type: none"> <li>For valve connection for limit switch boxes with terminal connection</li> <li>Angled socket, plug pattern type B according to industry standard, 11 mm</li> <li>Can be ordered separately as an accessory</li> </ul>                                         |  | <a href="#">28</a>   |
| [6] Protective cap SACC-S4-TT         | Mounted on the SRBC and protects the position indicator SASF                                                                                                                                                                                                                                        |  | <a href="#">28</a>   |
| [7] Protective cap SACC-S4-T          | Mounted on the SRBC and protects the position indicator SASF                                                                                                                                                                                                                                        |  | <a href="#">28</a>   |
| [8] Position indicator SASF-S4-EN-A1  | Arrow, 180°                                                                                                                                                                                                                                                                                         |  | <a href="#">27</a>   |
| [9] Position indicator SASF-S4-EN-A2  | I-version                                                                                                                                                                                                                                                                                           |  | <a href="#">27</a>   |
| [10] Position indicator SASF-S4-EN-A3 | T-version                                                                                                                                                                                                                                                                                           |  | <a href="#">27</a>   |
| [11] Position indicator SASF-S4-EN-A4 | L-version                                                                                                                                                                                                                                                                                           |  | <a href="#">27</a>   |
| [12] Position indicator SASF-S4-EN    | Yellow/red                                                                                                                                                                                                                                                                                          |  | <a href="#">27</a>   |

## Peripherals

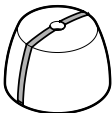
| Accessories                                                                 |                                                                                                                                                                                                                                                                                           | → Link               |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type/order code                                                             | Description                                                                                                                                                                                                                                                                               |                      |
| [13] Mounting adapter DARQ-KX1-A2-F05-30-R1                                 | <ul style="list-style-type: none"> <li>Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x130 mm, shaft height 30 mm</li> <li>Can be ordered separately as an accessory</li> </ul>                                                               | <a href="#">27</a>   |
| [14] Mounting adapter DARQ-KX1-A1-F05-30-R1                                 | <ul style="list-style-type: none"> <li>Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 mm, shaft height 30 mm</li> <li>Can be ordered separately as an accessory</li> </ul>                                                                | <a href="#">27</a>   |
| [15] Mounting adapter DARQ-KX1-A1-F05-20-R1                                 | <ul style="list-style-type: none"> <li>For limit switch box variants SRBC-CA3-... included in the scope of delivery and pre-assembled</li> <li>Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 mm, shaft height 20 mm</li> </ul>           | <a href="#">27</a>   |
| [16] Mounting adapter DARQ-KX1-A3-F05-20-R1                                 | <ul style="list-style-type: none"> <li>For limit switch box variants SRBC-CA4-... included in the scope of delivery and pre-assembled</li> <li>Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 or 30x130 mm, shaft height 20 mm</li> </ul> | <a href="#">27</a>   |
| [17] Mounting adapter DARQ-KX1-A3-F05-50-R1                                 | <ul style="list-style-type: none"> <li>Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 or 30x130 mm, shaft height 50 mm</li> <li>Can be ordered separately as an accessory</li> </ul>                                                      | <a href="#">27</a>   |
| [18] Mechanical interface according to ISO 5211/<br>flange hole pattern F05 | <ul style="list-style-type: none"> <li>For limit switch box variants SRBC-CA5-...</li> <li>Electrical connection screw terminal</li> <li>Without cable connector and blanking plug</li> <li>Without pre-assembled mounting adapter</li> </ul>                                             | <a href="#">srbc</a> |

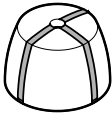
## Accessories

| Mounting adapter DARQ                                                             |                                                                          |      |                |          |                        |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------|------|----------------|----------|------------------------|--|
|                                                                                   | Connection point for positioner and position sensor conforms to standard | Size | Product weight | Part no. | Type                   |  |
|  | VDI/VDE 3845 size AA 1                                                   | 20   | 113 g          | 3636269  | DARQ-K-X1-A1-F05-20-R1 |  |
|                                                                                   | VDI/VDE 3845 size AA 1, VDI/VDE 3845 size AA 2, VDI/VDE 3845 size AA 3   |      | 148 g          | 8137187  | DARQ-K-X1-A3-F05-20-R1 |  |
|                                                                                   | VDI/VDE 3845 size AA 2                                                   | 30   | 129 g          | 3636270  | DARQ-K-X1-A1-F05-30-R1 |  |
|                                                                                   | VDI/VDE 3845 size AA 3                                                   |      | 397 g          | 3886114  | DARQ-K-X1-A2-F05-30-R1 |  |
|                                                                                   | VDI/VDE 3845 size AA 4                                                   | 50   | 174 g          | 8137188  | DARQ-K-X1-A3-F05-50-R1 |  |

| Position indicator SASF-S4-EN                                                     |                    |                     |              |                   |          |            |
|-----------------------------------------------------------------------------------|--------------------|---------------------|--------------|-------------------|----------|------------|
|                                                                                   | Position indicator | Ambient temperature | Material cap | Note on materials | Part no. | Type       |
|  | Yellow/red         | -40 ... 80 °C       | PA           | RoHS-compliant    | 8137192  | SASF-S4-DE |

| Position indicator SASF-S4-EN-A1                                                    |                    |                     |              |                   |          |               |
|-------------------------------------------------------------------------------------|--------------------|---------------------|--------------|-------------------|----------|---------------|
|                                                                                     | Position indicator | Ambient temperature | Material cap | Note on materials | Part no. | Type          |
|  | Arrow, 180°        | -40 ... 80 °C       | PA           | RoHS-compliant    | 8137191  | SASF-S4-DE-A1 |

| Position indicator SASF-S4-EN-A2                                                    |                    |                     |              |                   |          |               |
|-------------------------------------------------------------------------------------|--------------------|---------------------|--------------|-------------------|----------|---------------|
|                                                                                     | Position indicator | Ambient temperature | Material cap | Note on materials | Part no. | Type          |
|  | L-version          | -40 ... 80 °C       | PA           | RoHS-compliant    | 8137190  | SASF-S4-DE-A2 |

| Position indicator SASF-S4-EN-A3                                                    |                    |                     |              |                   |          |               |
|-------------------------------------------------------------------------------------|--------------------|---------------------|--------------|-------------------|----------|---------------|
|                                                                                     | Position indicator | Ambient temperature | Material cap | Note on materials | Part no. | Type          |
|  | T-version          | -40 ... 80 °C       | PA           | RoHS-compliant    | 8137195  | SASF-S4-DE-A3 |

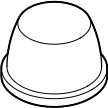
| Position indicator SASF-S4-EN-A4                                                    |                    |                     |              |                   |          |               |
|-------------------------------------------------------------------------------------|--------------------|---------------------|--------------|-------------------|----------|---------------|
|                                                                                     | Position indicator | Ambient temperature | Material cap | Note on materials | Part no. | Type          |
|  | L-version          | -40 ... 80 °C       | PA           | RoHS-compliant    | 8137189  | SASF-S4-DE-A4 |

## Accessories

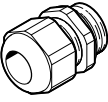
## Protective cap SACC-S4-T

|                                                                                  | Colour            | Material cover cap | Note on materials | LABS (PWIS) conformity | Part no. | Type      |
|----------------------------------------------------------------------------------|-------------------|--------------------|-------------------|------------------------|----------|-----------|
|  | Transparent black | PC                 | RoHS-compliant    | VDMA24364 zone III     | 8137193  | SACC-S4-T |

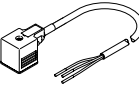
## Protective cap SACC-S4-T-T

|                                                                                  | Colour      | Material cover cap | Note on materials | LABS (PWIS) conformity | Part no. | Type        |
|----------------------------------------------------------------------------------|-------------|--------------------|-------------------|------------------------|----------|-------------|
|  | Transparent | PC                 | RoHS-compliant    | VDMA24364 zone III     | 8137194  | SACC-S4-T-T |

## Cable connector NETC

|                                                                                   | Connection technology 1 | Note on materials | Part no. | Type           |
|-----------------------------------------------------------------------------------|-------------------------|-------------------|----------|----------------|
|  | M20x1.5                 | RoHS-compliant    | 4197362  | NETC-P-M20-EX4 |
|                                                                                   |                         |                   | 4464895  | NETC-P-M20     |
|                                                                                   |                         |                   | 568279   | NETC-M-M20-KA  |

## Connecting cables NEBV

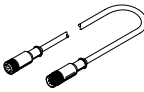
|                                                                                    | Electrical connection 1, connection type | Electrical connection 1, cable outlet | Electrical connection 1, connector system        | Cable length | Additional functions | Part no. | Type                     |
|------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|--------------------------------------------------|--------------|----------------------|----------|--------------------------|
|  | Socket                                   | Angled                                | Connection pattern type A based on EN 175301-803 | 0.6 m        |                      | 3579466  | NEBV-A1W3-K-0.6-N-LE3    |
|                                                                                    |                                          |                                       |                                                  |              | Protective circuit   | 3679776  | NEBV-A1W3F-P-K-0.6-N-LE3 |
|                                                                                    |                                          |                                       | Plug pattern type B to industry standard, 11 mm  |              |                      | 3579468  | NEBV-B2W3-K-0.6-N-LE3    |
|                                                                                    |                                          |                                       |                                                  |              | Protective circuit   | 3679778  | NEBV-B2W3F-P-K-0.6-N-LE3 |

## Plug socket with cable 8-pin, M12 – open cable end, 8-core

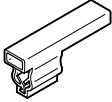
| Plug socket with cable 8-pin, M12 – open cable end, 8-core                         |                      |              |                                                     |          |                       |
|------------------------------------------------------------------------------------|----------------------|--------------|-----------------------------------------------------|----------|-----------------------|
|                                                                                    | Cable characteristic | Cable length | Electrical connection 1, cable outlet <sup>1)</sup> | Part no. | Type                  |
|  | Standard             | 2 m          | Straight                                            | 525616   | SIM-M12-8GD-2-PU      |
|                                                                                    |                      |              | Angled                                              | 542256   | NEBU-M12W8-K-2-N-LE8  |
|                                                                                    |                      | 5 m          | Straight                                            | 525618   | SIM-M12-8GD-5-PU      |
|                                                                                    |                      |              | Angled                                              | 542257   | NEBU-M12W8-K-5-N-LE8  |
|                                                                                    |                      | 10 m         | Straight                                            | 570008   | SIM-M12-8GD-10-PU     |
|                                                                                    |                      |              | Angled                                              | 570007   | NEBU-M12W8-K-10-N-LE8 |
|                                                                                    |                      | 15 m         | Straight                                            | 5105631  | SIM-M12-8GD-15-PU     |
|                                                                                    |                      |              | Angled                                              | 8048086  | NEBU-M12W8-K-15-N-LE8 |
|                                                                                    |                      | 20 m         | Straight                                            | 5105632  | SIM-M12-8GD-20-PU     |
|                                                                                    |                      |              |                                                     | 25 m     | 5105633               |

<sup>1)</sup> Observe operating voltage range and ambient temperature!

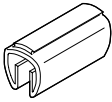
## Accessories

| Plug socket with cable 8-pin, M12 - plug, 8-pin, M12                              |              |                                             |          |                  |  |
|-----------------------------------------------------------------------------------|--------------|---------------------------------------------|----------|------------------|--|
|                                                                                   | Cable length | Electrical connection 1, cable outlet<br>1) | Part no. | Type             |  |
|  | 2 m          | Straight                                    | 525617   | KM12-8GD8GS-2-PU |  |

1) Observe operating voltage range and ambient temperature!

| Inscription label holder                                                          |                                   |        |        |         |          |           |
|-----------------------------------------------------------------------------------|-----------------------------------|--------|--------|---------|----------|-----------|
|                                                                                   | Description                       | Length | Width  | Height  | Part no. | Type      |
|  | For cable diameter 1.7 ... 3 mm   | 23 mm  | 5.4 mm | 10.1 mm | 8078305  | NEAU-LH-1 |
|                                                                                   | For cable diameter 2.5 ... 3.5 mm | 23 mm  |        | 10.3 mm | 8078306  | NEAU-LH-2 |
|                                                                                   | For cable diameter 3.3 ... 4.8 mm |        |        | 11.6 mm | 8078307  | NEAU-LH-3 |
|                                                                                   | For cable diameter 4.2 ... 5.6 mm | 23 mm  |        | 12.1 mm | 8143238  | NEAU-LH-4 |

| Inscription label ASLR                                                             |                                                     |          |            |
|------------------------------------------------------------------------------------|-----------------------------------------------------|----------|------------|
|                                                                                    | Description                                         | Part no. | Type       |
|  | Inscription label for inscription label holder NEAU | 541598   | ASLR-L-423 |

| Inscription label KM                                                                |                                                   |          |       |
|-------------------------------------------------------------------------------------|---------------------------------------------------|----------|-------|
|                                                                                     | Description                                       | Part no. | Type  |
|  | For attaching to a cable with diameter 5 ... 8 mm | 33361    | KM-BZ |