# **Proximity switch for T-slot**





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 for your automation tasks.

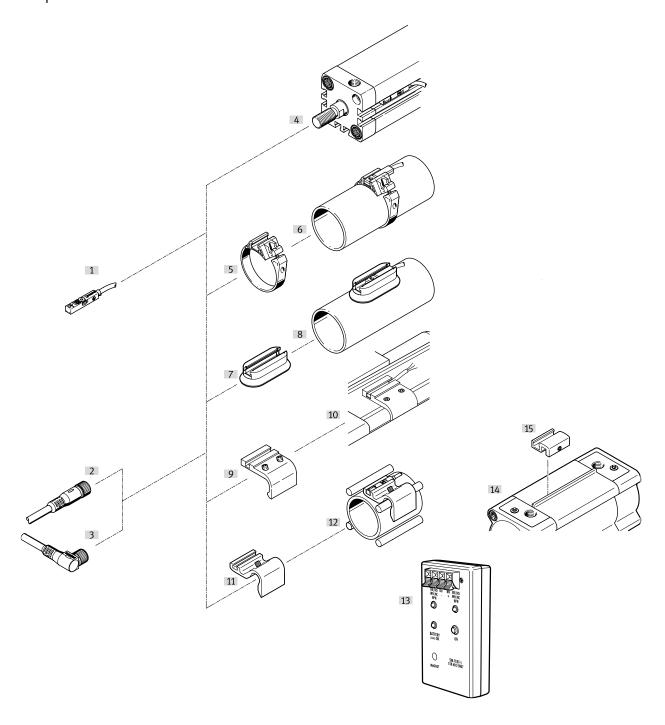
Worldwide: Simply good:

Fast:

Quickest delivery - wherever, whenever Expected high Festo quality Easy and fast to select



# Peripherals overview



# Peripherals overview

| Mount  | ing components and accessories | → Page | Mountin  | g components and accessories            | → Page |  |  |
|--------|--------------------------------|--------|----------|---|--------|--|--|
| Proxin | nity switches                  |        | Mountin  | Mounting kits and accessories           |        |  |  |
| [1]    | SMT-8M-A, with cable           | 5      | [5]      | Mounting kit SMBR                       | 12     |  |  |
|        |                                |        | [7]      | Mounting kit CRSMB, corrosion-resistant | 12     |  |  |
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|        |                                |        | [11]     | Sensor bracket DASP-M4                  | 13     |  |  |
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|        |                                |        | [13]     | Sensor tester SM-TEST-1                 | 15     |  |  |
|        |                                |        |          |   |        |  |  |
| Conne  | cting cables                   |        | Drives   |   |        |  |  |
| [2]    | NEBU-MG                        | 15     | [4]      | Drives with T-slot                      | -      |  |  |
| [3]    | NEBU-MW                        | 15     | [6], [8] | Round cylinders                         | -      |  |  |
|        |                                |        | [10]     | Standards-based cylinders DSBC          | -      |  |  |
|        |                                |        | [12]     | Drives with tie or mounting rod         | -      |  |  |
|        |                                |        | [14]     | Standards-based cylinders DSBF          | -      |  |  |

## Proximity switches SMT-8M-A, for T-slot

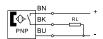
# Type codes

| 001   | Series                          |
|-------|---------------------------------|
| SMT   | Proximity sensor                |
| 002   | Design type                     |
| 8     | For T-slot                      |
| 003   | Sensor version                  |
| М     | Inserted in the slot from above |
| 004   | Design                          |
| Α     | Short                           |
| 005   | Switching output                |
| NO    | 3-wire N/C contact NPN          |
| NS    | 3-wire NPN N/O contact          |
| PO PO | 3-wire PNP N/C contact          |
| PS    | 3-wire PNP N/O contact          |
| ZS    | 2-wire PNP N/O contact          |
| 006   | Rated operating voltage         |
| 24V   | 24 V                            |

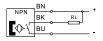
| 007 | Cable characteristic                          |  |  |  |
|-----|---|--|--|--|
| E   | Suitable for energy chains/robot applications |  |  |  |
| 008 | Cable length [m]                              |  |  |  |
|     | 0.1 30 m                                      |  |  |  |
| 0,3 | 0.3 m   |  |  |  |
| 2,5 | 2.5 m   |  |  |  |
| 5,0 | 5 m   |  |  |  |
| 7,5 | 7.5 m   |  |  |  |
| 009 | Cable identification                          |  |  |  |
|     | With label holder                             |  |  |  |
| N   | Without label holder                          |  |  |  |
| 010 | Connection technology                         |  |  |  |
| 0E  | OE Open end                                   |  |  |  |
| M8  | M8, snap-on flange                            |  |  |  |
| M8D | M8, rotatable thread                          |  |  |  |
| M12 | M12, rotatable thread                         |  |  |  |

## Data sheet - Magneto-resistive

Function PNP, N/O contact, with cable



NPN, N/O contact, with cable



- Magneto-resistive measuring principle
- Insertable in the slot from above, does not protrude over the cylinder profile



| General technical data                               |  |   |      |  |  |
|--|--|---|------|--|--|
| Electrical connection                                | M8, M8D, M12   | OE .  | NOOE |  |  |
| Design   | For T-slot   |   |      |  |  |
| Mounting position                                    | Any  |   |      |  |  |
| Based on standard                                    | EN 60947-5-2   |   |      |  |  |
| Certification  | c UL us - Listed (O  |   | -    |  |  |
|  | RCM  |   |      |  |  |
| CE marking   | To EU EMC Directiv   | e   |      |  |  |
| (see declaration of conformity)                      | To EU RoHS Directi   | ve  |      |  |  |
| UKCA marking   | To UK EMC regulat  | To UK EMC regulations   |      |  |  |
| (see declaration of conformity) <sup>1)</sup>        | To UK RoHS regula  | To UK RoHS regulations  |      |  |  |
| Application information                              | Support / Actuator-sensor overview "The right sensor for the actuator" |   |      |  |  |
| Note on materials                                    | Halogen-free   |   |      |  |  |
|  | RoHS-compliant   |   |      |  |  |
| PWIS conformity                                      | VDMA24364-B2-L   |   |      |  |  |
| Certificate-issuing authority                        | UL E232949   |   |      |  |  |
| Special characteristics                              | Oil-resistant  |   |      |  |  |
| Suitable for the production of lithium-ion batteries | -  | Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils | -    |  |  |
| Cleanroom class                                      | _  | Class 4 to ISO 14644-1  | _    |  |  |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: www.festo.com/catalogue/... 

Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

| Input signal/measuring element |      |                   |
|--------------------------------|------|-------------------|
| Measured variable              |      | Position          |
| Measuring principle            |      | Magneto-resistive |
| Ambient temperature            | [°C] | -40 +85           |

# Data sheet – Magneto-resistive

| Switching output                       |      |             |             |             |             |                        |
|--|------|-------------|-------------|-------------|-------------|------------------------|
| Туре                                   |      | PS          | NS          | PO          | NO          | ZS                     |
| Switching output                       |      | PNP         | NPN         | PNP         | NPN         | Non-contacting, 2-wire |
| Switching element function             |      | N/O contact | N/O contact | N/C contact | N/C contact | N/O contact            |
| Repetition accuracy                    | [mm] | 0.2         |             |             |             |                        |
| Switch-on time                         | [ms] | ≤ 1.3       |             |             |             | ≤ 1.0                  |
| Switch-off time                        | [ms] | ≤ 1.4       |             |             |             | ≤ 1.0                  |
| Max. output current                    | [mA] | 100         | 100         | 100         | 100         | 80                     |
| Max. output current in mounting kits   | [mA] | 100         |             |             |             | 80                     |
| Max. switching capacity DC             | [W]  | 2.8         | 2.8         | 2.8         | 2.8         | 1.9                    |
| Max. switching capacity DC in mounting | [W]  | 2.8         | 2.8         | 2.8         | 2.8         | 1.5                    |
| kits                                   |      |             |             |             |             |                        |
| Max. switching frequency               | [Hz] | 180         |             |             |             |                        |
| Voltage drop                           | [V]  | < 1.5       |             |             |             | < 6                    |

| Output, additional data  |         |  |
|--------------------------|---------|--|
| Short circuit protection | Yes     |  |
| Overload protection      | Present |  |

| Electronics                 |        |                                |      |  |
|-----------------------------|--------|--------------------------------|------|--|
| Туре                        |        | PS, NS, PO, NO                 | ZS   |  |
| Operating voltage range     | [V DC] | 5 30                           | 7 30 |  |
| Rated operating voltage     | [V DC] | 24                             |      |  |
| Reverse polarity protection |        | For all electrical connections |      |  |

| Electromechanics                       |   |  |                   |          |      |  |  |
|--|---|--|-------------------|----------|------|--|--|
| Electrical connection                  | M8  | M8D  | M12               | OE       | ZS0E |  |  |
| Connection type                        | Cable with plug                                     |  |                   | Cable    |      |  |  |
| Connection technology                  | Open end  | M8x1, A-coded to   | M12x1, A-coded to | Open end |      |  |  |
|  |   | EN 61076-2-104   | EN 61076-2-101    |          |      |  |  |
| Number of pins/wires                   | 3   |  |                   | 3        | 2    |  |  |
| Type of mounting                       | -   | Screw-type lock  |                   | -        |      |  |  |
| Outlet direction of connection         | In-line   |  |                   |          |      |  |  |
| Cable test conditions                  | Cable chain: 5 million cycles, bending radius 28 mm |  |                   |          |      |  |  |
|  | Torsional resistan                                  | Torsional resistance: > 300,000 cycles, ±270°/0.1 m                  |                   |          |      |  |  |
|  | Resistance to ben                                   | Resistance to bending: to Festo standard; test conditions on request |                   |          |      |  |  |
| Cable characteristic                   | Cable chain + robo                                  | ot   |                   |          |      |  |  |
| Information on materials: cable sheath | TPE-U(PUR)  | TPE-U(PUR)   |                   |          |      |  |  |
| Cable sheath colour                    | Grey  | Grey   |                   |          |      |  |  |

# Data sheet – Magneto-resistive

| Mechanics              |      |  |      |
|------------------------|------|--|------|
| Electrical connection  |      | M8, M8D, M12                                     | OE . |
| Type of mounting       |      | Screw-clamped, insertable in the slot from above |      |
| Max. tightening torque | [Nm] | 0.6  |      |
| Housing                |      | black  |      |
|                        |      | PA-reinforced                                    |      |
|                        |      | High-alloy stainless steel                       |      |
|                        |      | Nickel-plated brass                              | _    |

| Display/operation           |                    |  |
|-----------------------------|--------------------|--|
|                             | PS, NS, PO, NO, ZS |  |
| Switching status indication | Yellow LED         |  |
| Function reserve indication | Orange LED         |  |

| Immission/emission                           |   |                   |
|--|---|-------------------|
| Ambient temperature with flexible cable [°C] | ] | -20 +85           |
| installation                                 |   |                   |
| Degree of protection                         |   | IP65, IP68, IP69K |

| M8x1, 2-pin N/O contact | i7-5-2     |       |   |  |
|-------------------------|------------|-------|---|--|
|                         | Allocation |       |   |  |
| 4                       | 1          | Brown | + |  |
| 1(+ +)                  | 4          | Black | - |  |
|                         |            |       |   |  |

| M12x1, 2-pin |     |             |            |
|--------------|-----|-------------|------------|
| N/O contact  |     |             |            |
|              | Pin | Wire colour | Allocation |
| (A)          | 1   | Brown       | +          |
| + + 1        | 4   | Black       | -          |
| 4            |     |             |            |

| Pin allocation to EN 6094 | Pin allocation to EN 60947-5-2 |             |            |  |  |  |  |  |  |  |
|---------------------------|--------------------------------|-------------|------------|--|--|--|--|--|--|--|
| M8x1, 3-pin               |                                |             |            |  |  |  |  |  |  |  |
| N/O contact / N/C contact |                                |             |            |  |  |  |  |  |  |  |
|                           | Pin                            | Wire colour | Allocation |  |  |  |  |  |  |  |
| 4                         | 1                              | Brown       | +          |  |  |  |  |  |  |  |
| 1(+ +)3                   | 3                              | Blue        | -          |  |  |  |  |  |  |  |
|                           | 4                              | Black       | Output     |  |  |  |  |  |  |  |
|                           |                                |             |            |  |  |  |  |  |  |  |

| M12x1, 3-pin<br>N/O contact |     |             |            |  |
|-----------------------------|-----|-------------|------------|--|
|                             | Pin | Wire colour | Allocation |  |
|                             | 1   | Brown       | +          |  |
| 3 (+ +) 1                   | 3   | Blue        | -          |  |
| +                           | 4   | Black       | Output     |  |
|                             |     |             |            |  |

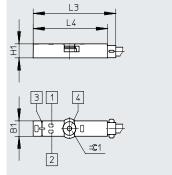
| Pin allocation to EN 609    | Pin allocation to EN 60947-5-2 |             |            |  |  |  |  |  |  |  |  |
|-----------------------------|--------------------------------|-------------|------------|--|--|--|--|--|--|--|--|
| M12x1, 3-pin                | M12x1, 3-pin                   |             |            |  |  |  |  |  |  |  |  |
| M12x1, 3-pin<br>N/C contact | N/C contact                    |             |            |  |  |  |  |  |  |  |  |
|                             | Pin                            | Wire colour | Allocation |  |  |  |  |  |  |  |  |
| 2                           | 1                              | Brown       | +          |  |  |  |  |  |  |  |  |
| 3 (+ + 1)1                  | 3                              | Blue        | -          |  |  |  |  |  |  |  |  |
| +                           | 2                              | White       | Output     |  |  |  |  |  |  |  |  |
|                             |                                |             |            |  |  |  |  |  |  |  |  |

### Data sheet - Magneto-resistive

#### **Dimensions**

Туре

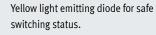
SMT8-M-A-24V-E-...- (PS, NS, PO, NO, ZS)



SMT-8M-A-...-24V-E- (PS, NS, PO, NO, ZS)

#### Download CAD data → www.festo.com

- [1] Yellow light emitting diode
- [2] Orange light emitting diode
- [3] Position of sensor element
- [4] Clamping element, tightening torque 0.6 Nm



Yellow and orange light emitting diode for unsafe switching status.

1.5

26.3



29.3

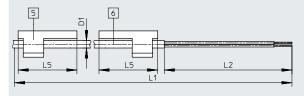
4.6

5

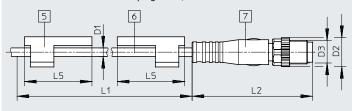
### Data sheet - Magneto-resistive

#### **Dimensions**

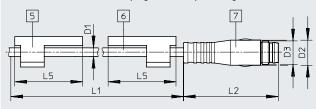
SMT-8M-A-...-OE - Cable



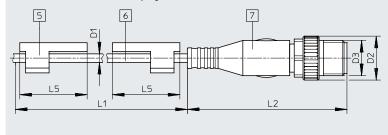
SMT-8M-A-...-M8D – Cable with plug M8x1, rotatable thread



SMT-8M-A-...-M8 – Cable with plug M8x1, snap-on flange



SMT-8M-A-...-M12 - Cable with plug M12x1, rotatable thread



#### Download CAD data → www.festo.com

- [5] Inscription label holder drawn turned by 90°
- [6] Connecting cable
- L1 Cable length
- [5] Inscription label holder drawn turned by 90°
- [6] Connecting cable
- [7] Plug suitable for connecting cable NEBU-M8
- L1 Cable length
- [5] Inscription label holder drawn turned by 90°
- [6] Connecting cable
- [7] Plug suitable for connecting cable NEBU-M8
- L1 Cable length
- [5] Inscription label holder drawn turned by 90°
- [6] Connecting cable
- [7] Plug suitable for connecting cable NEBU-M12
- L1 Cable length

| Туре        | D1  | D2<br>Ø | D3    | L1         | L2   | L5 | <b>=</b> © 1 |
|-------------|-----|---------|-------|------------|------|----|--------------|
| SMT-8M-AOE  |     | -       | -     | 2500, 7500 | 50   |    |              |
| SMT-8M-AM8D | 2.0 | 10      | M8x1  | 300        | 41.1 | 23 | 1 5          |
| SMT-8M-AM8  | 2.9 | 8.5     | M8x1  | -          | 32.7 | 25 | 1.5          |
| SMT-8M-AM12 |     | 15      | M12x1 | -          | 54.5 |    |              |

# Data sheet – Magneto-resistive

| Ordering data | Switching output   | Electrical connection |                        |       | Cable  | Weight | Part no.        | Туре                      |
|---------------|--------------------|-----------------------|------------------------|-------|--------|--------|-----------------|---------------------------|
|               | - Surreming surpur | Cable                 | Cable with             | nlug. | length | 110.5  | 1.4.1.1.01      | 1,750                     |
|               |                    |                       | rotatable t            |       |        |        |                 |                           |
|               |                    |                       | M8x1 M12x1             |       | [m]    | [g]    |                 |                           |
|               | N/O contact        |                       | ·                      | ï     | ·      |        |                 |                           |
|               | PNP                | -                     | 3-pin                  | -     | 0.3    | 8.9    | <b>★</b> 574334 | SMT-8M-A-PS-24V-E-0.3-M8D |
|               | PNP                | 3-wire                | -                      | -     | 2.5    | 29.1   | <b>★</b> 574335 | SMT-8M-A-PS-24V-E-2.5-0E  |
| -             | PNP                | 3-wire                | -                      | Ī-    | 5      | 57.1   | <b>★</b> 574336 | SMT-8M-A-PS-24V-E-5.0-0E  |
|               | PNP                | -                     | -                      | 3-pin | 0.3    | 15.9   | <b>★</b> 574337 | SMT-8M-A-PS-24V-E-0.3-M12 |
|               | NPN                | 3-wire                | -                      | -     | 2.5    | 29.1   | <b>★</b> 574338 | SMT-8M-A-NS-24V-E-2.5-0E  |
|               |                    | -                     | 3-pin                  | -     | 0.3    | 8.9    | <b>★</b> 574339 | SMT-8M-A-NS-24V-E-0.3-M8D |
|               | Non-contacting     | 2-wire, open end      | -                      | -     | 5      | 57.1   | 8165237         | SMT-8M-A-ZS-24V-E-5-0E    |
|               | N/C contact        |                       |                        |       |        |        |                 |                           |
|               | PNP                | 3-wire                | -                      | -     | 7.5    | 85.1   | <b>★</b> 574340 | SMT-8M-A-PO-24V-E-7.5-OE  |
|               |                    |                       |                        |       |        |        |                 |                           |
| rdering data  | 1                  | ı                     |                        |       |        |        | 1               | 1                         |
|               | Switching output   | Electrical connection |                        |       | Cable  | Weight | Part no.        | Туре                      |
|               |                    | Cable                 | Cable with rotatable t |       | length |        |                 |                           |
|               |                    |                       | M8x1                   | M12x1 | [m]    | [g]    |                 |                           |
|               | N/C contact        |                       | ·                      | •     | :      | :      | :               |                           |
|               | NPN/NO             | 3-wire, open end      | _                      | _     | 2.5    | 29.1   | 8138000         | SMT-8M-A-NO-24V-E-2,5-OE  |
|               | I NPN/NO           | j 5-wile, open end    | <b>I</b>               |       |        |        |                 |                           |

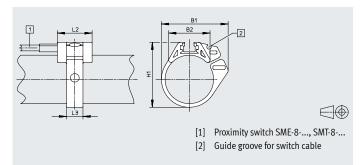
# Ordering data – Modular product system

| Ordering table          |        |   |            |        |            |
|-------------------------|--------|---|------------|--------|------------|
| Size                    |        | 8   | Conditions | Code   | Enter code |
| Module no.              |        | 574333  |            |        |            |
| Function                |        | Proximity switch for T-slot, electronic                     |            | SMT-8M | SMT-8M     |
|                         |        |   |            | -      | _          |
| Series                  |        | Short design  |            | A      | Α          |
|                         |        |   |            | -      | -          |
| Switching output        |        | 3-wire PNP N/O contact                                      |            | PS     |            |
|                         |        | 3-wire NPN N/O contact                                      |            | NS     |            |
|                         |        | 3-wire PNP N/C contact                                      |            | PO     |            |
|                         |        | 2-wire PNP N/O contact                                      |            | ZS     |            |
|                         |        | PNP / NPN, switchable                                       |            | PNS    |            |
|                         |        | PNP N/C contact / N/O contact, switchable                   |            | PS0    |            |
|                         |        | 3-wire NPN N/C contact                                      |            | NO     |            |
|                         |        |   |            | -      | _          |
| Rated operating voltage | [V DC] | 24  |            | 24V    | 24V        |
|                         |        |   |            | -      | _          |
| Cable characteristic    |        | Cable chain + robot   |            | E      | E          |
|                         |        |   |            | -      | -          |
| Cable length            | [m]    | 0.1 30  |            |        |            |
|                         |        | (0.1 5.0 in increments of 0.1, 5.0 30 in increments of 0.5) |            |        |            |
|                         |        |   |            | -      | _          |
| Cable designation       |        | With inscription label holder                               |            |        |            |
|                         |        | Without inscription label holder                            |            | N      |            |
|                         |        |   |            | -      | -          |
| Connection technology   |        | Open end  |            | OE     |            |
|                         |        | M8, rotatable thread  |            | M8D    |            |
|                         |        | M8, snap-on flange  |            | M8     |            |
|                         |        | M12, rotatable thread                                       |            | M12    |            |

#### Mounting kit SMBR

Material: Polyacetal RoHS-compliant





| Dimensions and orde | Dimensions and ordering data |      |      |    |    |                 |           |  |  |  |  |  |
|---------------------|------------------------------|------|------|----|----|-----------------|-----------|--|--|--|--|--|
| For piston Ø        | B1                           | B2   | H1   | L2 | L3 | Part no.        | Туре      |  |  |  |  |  |
| 8                   | 18.9                         | 12.3 | 17.5 | 19 | 7  | 175091          | SMBR-8-8  |  |  |  |  |  |
| 10                  | 20.4                         | 13.7 | 19.9 | 19 | 7  | 175092          | SMBR-8-10 |  |  |  |  |  |
| 12                  | 22.7                         | 14.3 | 21.9 | 19 | 7  | <b>*</b> 175093 | SMBR-8-12 |  |  |  |  |  |
| 16                  | 28.2                         | 16.9 | 25.7 | 19 | 8  | <b>*</b> 175094 | SMBR-8-16 |  |  |  |  |  |
| 20                  | 34.5                         | 20.8 | 30.4 | 19 | 9  | <b>*</b> 175095 | SMBR-8-20 |  |  |  |  |  |
| 25                  | 36.7                         | 22.7 | 35.6 | 19 | 9  | <b>*</b> 175096 | SMBR-8-25 |  |  |  |  |  |
| 32                  | 41.7                         | 24.6 | 42.7 | 19 | 9  | 175097          | SMBR-8-32 |  |  |  |  |  |
| 40                  | 47.1                         | 26.5 | 50.7 | 19 | 9  | 175098          | SMBR-8-40 |  |  |  |  |  |
| 50                  | 56.4                         | 28.6 | 61.5 | 19 | 9  | 175099          | SMBR-8-50 |  |  |  |  |  |
| 63                  | 69.4                         | 32   | 74.5 | 19 | 9  | 175100          | SMBR-8-63 |  |  |  |  |  |

#### Mounting kit CRSMB

Design: for round cylinders Type of mounting: any Type of mounting: glued

Degree of protection: IP65, IP68, IP69K Ambient temperature: -40 ... +90°C

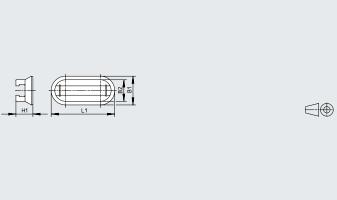
Material:

Housing: anodised aluminium,

TPE-U(PU)

Free of copper and PTFE RoHS-compliant PWIS conformity: VDMA24364-B2-L





| Ordering data |      |      |     |    |                   |          |                |  |  |  |
|---------------|------|------|-----|----|-------------------|----------|----------------|--|--|--|
| For piston Ø  | B1   | B2   | H1  | L1 | CRC <sup>1)</sup> | Part no. | Туре           |  |  |  |
| 32 100        | 15.8 | 11.8 | 9.3 | 35 | 4                 | 525565   | CRSMB-8-32/100 |  |  |  |

<sup>1)</sup> Corrosion resistance class CRC 4 to Festo standard FN 940070

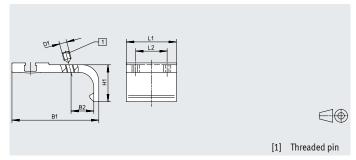
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, e.g. in the chemical or food industries. Such applications may need to be safeguarded by means of special testing (

also FN 940082), using appropriate media.

# Mounting kit SMB-8-FENG

Material: Wrought aluminium alloy Free of copper and PTFE





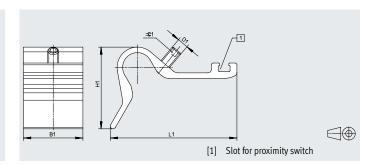
| Dimensions and orde | Dimensions and ordering data |      |    |      |    |    |                           |          |                   |  |  |  |  |
|---------------------|------------------------------|------|----|------|----|----|---------------------------|----------|-------------------|--|--|--|--|
| For piston Ø        | B1                           | B2   | D1 | H1   | L1 | L2 | Tightening torque<br>[Nm] | Part no. | Туре              |  |  |  |  |
| 32/40               | 35.1                         | 8.7  | M3 | 15.5 | 27 | 17 | 0.2                       | 175705   | SMB-8-FENG-32/40  |  |  |  |  |
| 50/63               | 47                           | 12.3 | M4 | 20   | 27 | 17 | 0.5                       | 175706   | SMB-8-FENG-50/63  |  |  |  |  |
| 80/100              | 64.3                         | 15.7 | M5 | 24.3 | 27 | 17 | 0.7                       | 175707   | SMB-8-FENG-80/100 |  |  |  |  |

#### Sensor bracket DASP-M4-...-A

Material:

Anodised wrought aluminium alloy Screws: high-alloy stainless steel RoHS-compliant





| Dimensions and order | Dimensions and ordering data |    |      |      |             |                   |                   |        |          |               |  |  |  |
|----------------------|------------------------------|----|------|------|-------------|-------------------|-------------------|--------|----------|---------------|--|--|--|
| Туре                 | B1                           | D1 | H1   | L1   | <b>=</b> ©1 | Tightening torque | CRC <sup>1)</sup> | Weight | Part no. | Туре          |  |  |  |
|                      |                              |    |      |      |             | [Nm]              |                   | [g]    |          |               |  |  |  |
| DASP-M4-125-A        | 32.5                         | M5 | 28   | 45.4 | 2.5         | 1                 | 3                 | 26.5   | 1451483  | DASP-M4-125-A |  |  |  |
| DASP-M4-160-A        | 32.5                         | M6 | 44.7 | 69.4 | 3           | 1                 | 3                 | 41.5   | 1553813  | DASP-M4-160-A |  |  |  |
| DASP-M4-250-A        | 32.5                         | M6 | 56.3 | 88   | 3           | 1                 | 3                 | 60     | 1456781  | DASP-M4-250-A |  |  |  |
| DASP-M4-320-A        | 32.5                         | M6 | 56.3 | 88   | 3           | 1                 | 3                 | 60     | 3015256  | DASP-M4-320-A |  |  |  |

<sup>1)</sup> Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment.

#### Mounting kit SMB-8-C

Temperature: -40 ... 120°C

Material:

Retaining bracket: anodised wrought

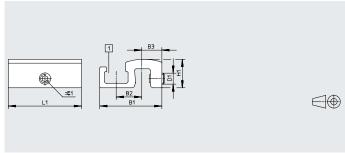
aluminium alloy

Screws: high-alloy stainless steel

Free of copper and PTFE,

RoHS-compliant





| Dimensions and ordering | g data |    |     |    |     |    |              |                   |                   |        |          |         |
|-------------------------|--------|----|-----|----|-----|----|--------------|-------------------|-------------------|--------|----------|---------|
| Туре                    | B1     | B2 | В3  | D1 | H1  | L1 | <b>=</b> © 1 | Tightening torque | CRC <sup>1)</sup> | Weight | Part no. | Туре    |
|                         |        |    |     |    |     |    |              | [Nm]              |                   | [g]    |          |         |
| SMB-8-C                 | 17     | 7  | 5.5 | М3 | 7.8 | 20 | 1.5          | 0.2 0.6           | 3                 | 3.5    | 1806790  | SMB-8-C |

<sup>1)</sup> Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment.

#### Positioning element SMM

Insertable in the slot lengthwise

Ambient temperature: -40 ... +120°C

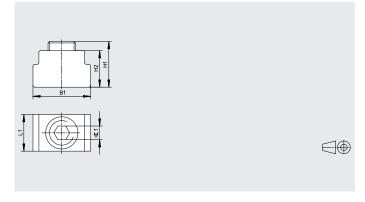
Materials:

Housing: anodised wrought aluminium

alloy

Screws: high-alloy stainless steel Note on materials: RoHS-compliant





| Dimensions and order | ring data |     |     |             |                   |          |       |                  |
|----------------------|-----------|-----|-----|-------------|-------------------|----------|-------|------------------|
| B1                   | H1        | H2  | L1  | <b>=</b> ©1 | CRC <sup>1)</sup> | Part no. | Туре  | PU <sup>2)</sup> |
| 6.3                  | 5.0       | 4.0 | 4.0 | 1.5         | 3                 | 547941   | SMM-8 | 10               |

<sup>1)</sup> Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment.

<sup>2)</sup> Packaging unit

| _         |  | Number of wires                        | Cable length [m] | Part no.                 | Data shee            | •      |
|-----------|--|--|------------------|--------------------------|----------------------|--------|
| akat MO   | x1, 3-pin  | Namzer et times                        | easte tength [m] |                          | 1,760                |        |
|           | For SMT/SME-8 and  | 3                                      | 2.5              | <b>★</b> 541333          | NEBU-M8G3-K-2.5-LE3  |        |
|           | SMTO/SMTSO/SMEO-8E   | '                                      | 5                | ★ 541334                 | NEBU-M8G3-K-5-LE3    |        |
|           | For SMT/SME-8 and  | 3                                      | 2.5              | ★ 541338                 | NEBU-M8W3-K-2.5-LE3  |        |
|           | SMTO/SMTSO/SMEO-8E   |  | 5                | ★ 541341                 | NEBU-M8W3-K-5-LE3    |        |
| €         | SIMTO/SIMTSO/SIMEO-0E  |  | ٦                | × 341341                 | NLDU-WOW J-R-J-LLJ   |        |
| cket M1   | 2x1, 5-pin   |  |                  |                          |                      |        |
|           | For SMT/SME-8M and   | 3                                      | 2.5              | <b>★</b> 541363          | NEBU-M12G5-K-2.5-LE3 |        |
|           | SMTO/SMTSO/SMEO-8E   |  | 5                | <b>★</b> 541364          | NEBU-M12G5-K-5-LE3   |        |
|           | For SMT/SME-8M and   | 3                                      | 2.5              | 541367                   | NEBU-M12W5-K-2.5-LE3 |        |
| 8         | SMTO/SMTSO/SMEO-8E   |  | 5                | 541370                   | NEBU-M12W5-K-5-LE3   |        |
|           | '  |  |                  | 534254                   | SMBK-8               |        |
|           | Description  |  |                  | Part no.                 | Туре                 |        |
| 2         | I For fiving connecting cables in place  |  |                  |                          |                      |        |
|           | For fixing connecting cables in place  |  |                  | 554254                   | SWIDK-0              |        |
|           |  |  |                  | 554254                   | Эмык-о               |        |
|           | For fixing connecting cables in place  lata – Sensor tester  Description   |  |                  | Part no.                 | Туре                 |        |
|           | ata – Sensor tester  | ty switches using the integrated volta | ge supply        |                          |                      |        |
|           | lata – Sensor tester Description   |  | ge supply        | Part no.                 | Туре                 |        |
|           | lata – Sensor tester  Description  Testing the functionality of proximi  |  | ge supply        | Part no.                 | Туре                 |        |
| dering d  | lata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the  |  | ge supply        | Part no.                 | Туре                 |        |
| rdering d | lata – Sensor tester  Description  Testing the functionality of proximi  |  | ge supply        | Part no.                 | Туре                 | PU     |
| dering d  | ata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the   |  | ge supply        | Part no. 158481          | Type SM-TEST-1       |        |
| dering d  | lata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the  |  | ge supply        | Part no. 158481 Part no. | Type SM-TEST-1 Type  |        |
| dering d  | lata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the  |  | ge supply        | Part no. 158481 Part no. | Type SM-TEST-1 Type  |        |
| dering d  | lata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the lata – Inscription labels  Size  23x4 mm |  | ge supply        | Part no. 158481 Part no. | Type SM-TEST-1 Type  |        |
| dering d  | lata – Sensor tester  Description  Testing the functionality of proximi Adjusting proximity switches on the lata – Inscription labels  Size  23x4 mm |  | ge supply        | Part no. 158481 Part no. | Type SM-TEST-1 Type  | PU: 34 |
| dering d  | ata – Sensor tester Description  Testing the functionality of proximi Adjusting proximity switches on the lata – Inscription labels Size 23x4 mm     | e cylinder                             | ge supply        | Part no. 158481 Part no. | Type SM-TEST-1 Type  |        |

Pack size