Proximity sensors, block design



Proximity sensors, block design Product range overview

Measuring	Version	Туре	Mounting	Switching elen	nent function	Switching	Electrical connection			
principle				N/O contact	N/C contact	output	Cable	Plug		
Aagneto-res	Operating vo	tage range 10 30 V	DC					·		
istive		SMTO-1	Via accessories	-	-	PNP	3-wire	M8x1, 3-pin		
				-	-	NPN	3-wire	M8x1, 3-pin		
		SMTSO-1 Welding field immune		•	-	PNP	-	M12x1, 3-pin		
Magneto-ind	Operating vo	tage range 10 30 V	DC .							
uctive	operating vo	SMTO-6	Via accessories	_		PNP	-	M12x1, 3-pin		
				•	_					
Magnetic	Operating	tage range 0 30 V [or.							
	Operating vo	SMEO-1			T	Cantastina		I MOv4		
eed		SMEO-1	Via accessories	-	-	Contacting	_	M8x1, 3-pin ¹⁾		
				-	-		3-wire	M8x1, 3-pin		
	Operating voltage range 0 250 V AC, 0 200 V DC									
	operating vo	SMEO-1-B	Via accessories	-	-	Contacting	2-wire	-		
		SMEO-1		•	-		2-wire	-		
				•	-		2-wire	-		
		SMEO-1-S6-C Heat-resistant up to 120 °C		•	-		2-wire	-		
Manuatia	Duaumatiana		line procesure 2. (he	_	•	'	'	'		
Magnetic	rneumatic pr	oximity sensor, opera		1				1		
		SMPU-1	Via accessories	2)	-	_	-	_		
			1							
Magneto-ind	Operating vo	tage range 10 30 V	DC							
uctive	~	SMT-C1	Clamped			PNP	3-wire	M8x1,		
				_				3-pin		
				-	_			M12x1,		
	(/ *						1	3-pin		

The proximity sensor has 2 wires internally. One pin of the M8 plug is unused.
 3/2-way valve, normally closed

Proximity sensors, block design Product range overview



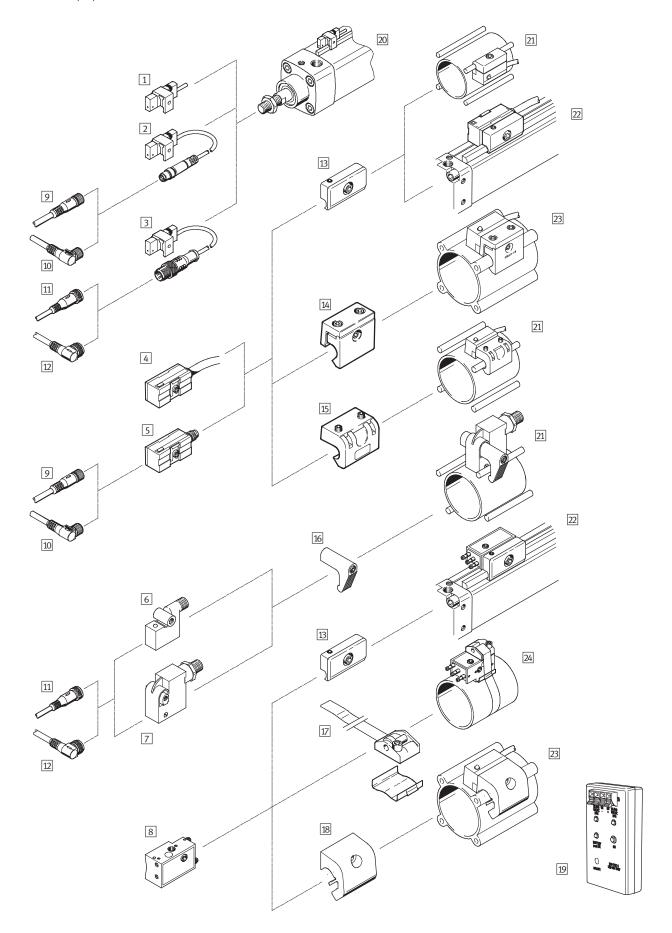
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Туре	Connection direction			Switching status display via LED	Free of copper and PTFE	→ Page/Internet
	In-line	Lateral	re-adjustment	display via LLD		
Operating voltage ra	ange 10 30 V DC	_				1
SMTO-1	•	-	1)	•	•	7
	•	-	1)	•	-	
SMTSO-1 Welding field immune	•	-	-	•	-	9
Operating voltage ra	ange 10 30 V DC			1		
SMTO-6						11
	•	-	-	-	-	
Operating voltage ra	ange 0 30 V DC					
SMEO-1	•	-	1)	-	•	13
	•	-	1)	•	•	
	ange 0 250 V DC, 0	200 V DC				
SMEO-1-B	•	-	1)	-	-	13
SMEO-1	•	-	1 1)	•	-	
	-	-	1)	-	-	
SMEO-1-S6-C Heat-resistant up to 120 °C	-	-	1)	•	-	
Pneumatic proximit	y sensor, operating p	ressure 2 6 bar				
SMPO-1	•	-	1)	_ 2)	-	16
Operating voltage ra	ange 10 30 V DC	l				
SMT-C1			1		1	18
	•	-	-	-	•	

Not in combination with mounting kit SMB-1 or SMBS-...
 Switching status is indicated via a pneumatic pin

Proximity sensors, block design Overview of peripherals





Proximity sensors, block design Overview of peripherals



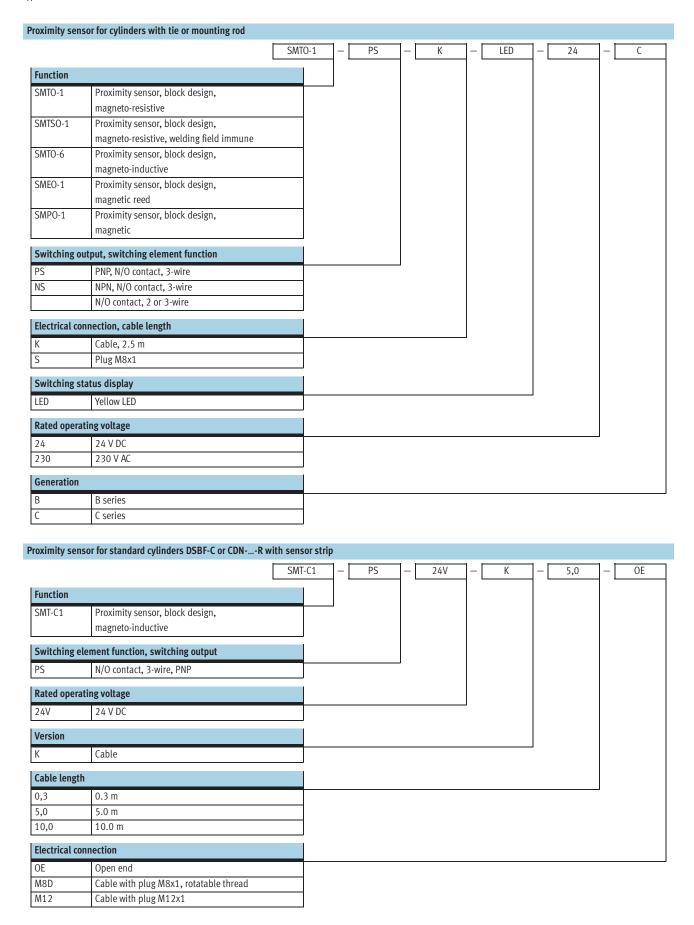
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	Brief description	→ Page/Internet
roximity sensors		
1 SMT-C1	Magneto-inductive, with cable and clamping component	18
2 SMT-C1	Magneto-inductive, with cable and plug M8x1 and clamping component	18
3 SMT-C1	Magneto-inductive, with cable and plug M12x1 and clamping component	18
4 SMTO-1	Magneto-resistive, with cable	7
SMEO-1	Magnetic reed, with cable	13
5 SMTO-1	Magneto-resistive, with plug M8x1	7
SMEO-1	Magnetic reed, with plug M8x1	13
6 SMTO-6	Magneto-inductive, with plug M12x1	11
7 SMTSO-1	Magneto-resistive, welding field immune, with plug M12x1	9
8 SMPO-1	Pneumatic	16
		-
Accessories		<u> </u>
9 Connecting cable NEBU-M8G3	Straight socket, M8x1, 3-pin	22
10 Connecting cable NEBU-M8W3	Angled socket, M8x1, 3-pin	
Connecting cable NEBU-M12G5	Straight socket, M12x1, 3-pin	
Connecting cable NEBU-M12W5	Angled socket, M12x1, 3-pin	
13 Mounting kit SMB-1	For drives with tie rod \varnothing 6 mm or mounting rail	20
	For standard cylinders DNG	
14 Mounting kit SMBU-1-B	For standard cylinders DNU	20
Mounting kits SMB-2-B, SMB-3-B	For standard cylinders DNG	20
16 Mounting kit SMBT-1	For standard cylinders DNG	21
17 Mounting kit SMBS	For round cylinders	21
Mounting kit SMBU-1-H-32	For standard cylinders DNU	21
19 Sensor tester SM-TEST-1		sm-test-1
Drives	.h	
20 Standard cylinder DSBF-C or CDNR wi	th Ø 32 100 mm	-
sensor rail	(X 22 220	
21 Standard cylinder DNG	Ø 32 320 mm	-
Flat cylinder DZH	Ø 32 63 mm	
Semi-rotary drive DRQ	Ø 40 100 mm	
23 Standard cylinder DNU	Ø 32 125 mm	
24 Round cylinder	Ø 8 100 mm	

Proximity sensors, block design



Type code



Proximity sensors SMTO-1, block design, magneto-resistive



Technical data

Function e.g. PNP, N/O contact, with cable

e.g. NPN, N/O contact, with cable



• Magneto-resistive measuring







Design	
Constructional design	Block design
Type of mounting	Via accessories
Connection direction	In-line
Reproducibility of switching point ¹⁾ [mm]	±0.1
Switching status display	Yellow LED

1) Only applicable to drives secured against rotation.

Technical data – N/O contact					
Switch output		PNP	PNP		
		NPN			
Electrical connection		Cable, 3-wire		Plug M8x1, 3-pin	
Cable length	[m]	2.5		-	
Operating voltage range	[V DC]	10 30			
Max. switching current	[mA]	200			
Max. switching capacity	[W]	6			
Voltage drop	[V]	3			
Residual current	[mA]	≤0.01			
Switch-on time	[ms]	≤1			
Switch-off time	[ms]	≤1			
Protection against short circuit		Yes			
Protection against polarity reversal		For all electrical connections			
Protection class		IP67			

Operating and environmental conditions						
Electrical connection	Cable		Plug			
Cable installation	Fixed	Flexible				
Ambient temperature [°C]	-25 +70	-5 +70	-25 +70			
Corrosion resistance class CRC ¹⁾	4 2		2			
CE symbol (declaration of conformity)	In accordance with EU EMC directive ²⁾					
Certification	C-Tick					

- 1) Corrosion resistance class 2 according to Festo standard 940 070
 - Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants
 - Corrosion resistance class 4 according to Festo standard 940 070
- Components requiring higher corrosion resistance. Parts used with aggressive media, e.g. food or chemical industry. These applications should be supported with special tests with the media if required.

 2) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com

 Support

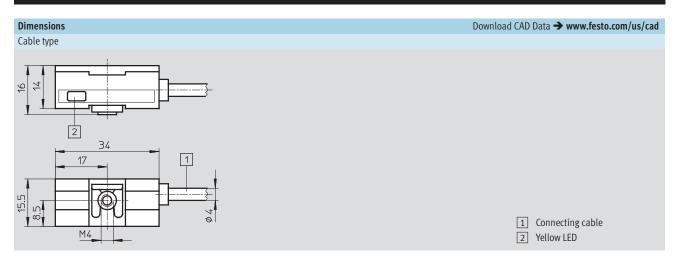
 User documentation.

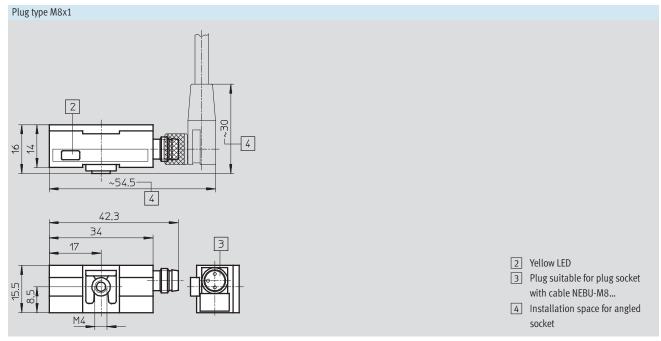
 If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Materials				
Housing	Die-cast zinc, polyester			
Cable sheath	Polyvinyl chloride			
Note on materials	Free of copper and PTFE			

Proximity sensors SMTO-1, block design, magneto-resistive Technical data

Product weights [g]						
Electrical connection	Cable	Plug				
N/O contact						
PNP	85	20				
NPN	85	20				



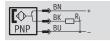


Ordering data							
	Switch output	Electrical connection		Cable length	Part No.	Туре	
		Cable	Plug M8x1	[m]			
	N/O contact						
	PNP	3-wire	_	2.5	151683	SMTO-1-PS-K-LED-24-C	
		-	3-pin	-	151685	SMTO-1-PS-S-LED-24-C	
	NPN	3-wire	-	2.5	151684	SMTO-1-NS-K-LED-24-C	
		-	3-pin	-	151686	SMTO-1-NS-S-LED-24-C	

Proximity sensors SMTSO-1, block design, magneto-resistive Technical data

FESTO

Function PNP, N/O contact, with plug



- Welding field immune
- Magneto-resistive measuring principle



Design Control of the					
Constructional design	Block design				
Type of mounting	Via accessories				
Connection direction	In-line				
Reproducibility of switching point ¹⁾ [mm]	±0.1				
Switching status display	Yellow LED				
Ready status display	Green LED				

1) Only applicable to drives secured against rotation

Technical data - PNP, N/O contact		
Electrical connection		Plug M12x1, 3-pin
Operating voltage range	[V DC]	10 30
Max. switching current	[mA]	200
Max. switching capacity	[W]	6
Voltage drop	[V]	3
Residual current	[mA]	0.01
Switch-on time	[ms]	≤35
Switch-off time	[ms]	≤20
Resistance to interference from magnetic fields		Alternating magnetic field 50 60 Hz
Protection against short circuit		Yes
Protection against polarity reversal		For all electrical connections
Protection class		IP65/IP67

Operating and environmental conditions					
Ambient temperature [°C]	-25 +70				
Corrosion resistance class CRC ¹⁾	1				
CE symbol (declaration of conformity)	In accordance with EU EMC directive ²⁾				
Certification	C-Tick				

- 1) Corrosion resistance class 1 according to Festo standard 940 070
- Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.
- 2) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com

 Support

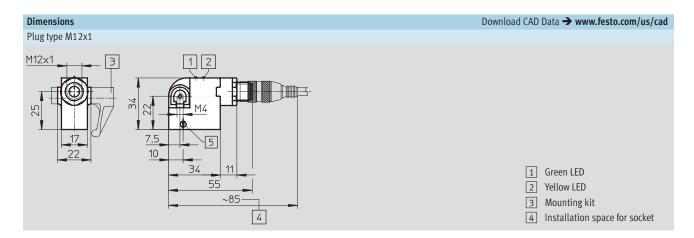
 User documentation.

 If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Materials	
Housing	Die-cast zinc

Product weights [g]			
N/O contact			
PNP	70		

Proximity sensors SMTSO-1, block design, magneto-resistive Technical data



Ordering data						
	Switch output	Electrical connection	Part No.	Туре		
~~~	N/O contact					
1///	Welding field immune					
	PNP	Plug M12x1, 3-pin	30441	SMTSO-1-PS-S-LED-24		
9						

## **Proximity sensors SMTO-6, block design, magneto-resistive** Technical data



Function PNP, N/O contact, with plug



 Magneto-inductive measuring principle



Design				
Constructional design	Block design			
Type of mounting	Via accessories			
Connection direction	In-line In-line			
Reproducibility of switching point ¹⁾ [mm]	±0.1			
Switching status display	Yellow LED			

1) Only applicable to drives secured against rotation

Technical data – PNP, N/O contact		
Electrical connection		Plug M12x1, 3-pin
Operating voltage range	[V DC]	10 30
Max. switching current	[mA]	200
Max. switching capacity	[W]	6
Voltage drop	[V]	3
Residual current	[mA]	≤0.01
Switch-on time	[ms]	≤1
Switch-off time	[ms]	≤1
Protection against short circuit		Yes
Protection against polarity reversal		For all electrical connections
Protection class		IP67

Operating and environmental conditions			
Ambient temperature [°C]	-25 +70		
Corrosion resistance class CRC ¹⁾	1		
CE symbol (declaration of conformity)	In accordance with EU EMC directive ²⁾		
Certification	C-Tick		

- 1) Corrosion resistance class 1 according to Festo standard 940 070
- Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.
- 2) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com 
  Support 
  User documentation.

  If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

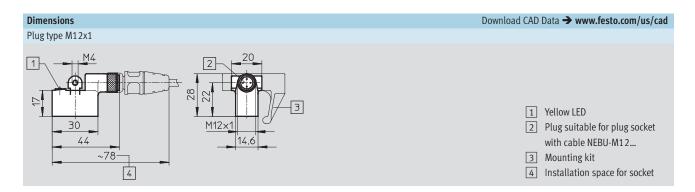
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Materials		
Housing	Die-cast zinc	
Product weights [g]		

N/O contact PNP

# **Proximity sensors SMTO-6, block design, magneto-resistive** Technical data





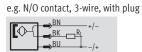
Ordering data				
	Switch output	Electrical connection	Part No.	Туре
	N/O contact			
	PNP	Plug M12x1, 3-pin	35573	SMTO-6-PS-S-LED-24
$\checkmark$				

## **Proximity sensors SMEO-1, block design, magnetic reed** Technical data



Function e.g. N/O contact, 3-wire, with cable





• Magnetic reed measuring principle





Technical data		
Electrical connection	3-wire	2-wire
Туре	SMEO-124	SMEO-1-LED-230 SMEO-1-B SMEO-1-S6, heat-resistant
Design	Block design	Block design
Conforms to	-	EN 60947-5-2
Certification	C-Tick	C-Tick
CE mark	To EU EMC Directive ¹⁾	To EU EMC Directive ¹⁾
(see declaration of conformity)	-	To EU Low Voltage Directive
Note on materials	Free of copper and PTFE	Free of copper and PTFE

¹⁾ For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com Support Super documentation.

If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Input signal/measuring element				
Type		SMEO-1	SMEO-1-S6, heat-resistant	
Measuring principle		Magnetic reed	Magnetic reed	
Ambient temperature [°C		-20 +70	−50 +120	

Switching output						
Electrical connection		3-wire	2-wire	2-wire		
Туре		SMEO-124	SMEO-1-LED-230	SMEO-1-B	SMEO-1-S6, heat-resistant	
Switching output		Contacting, bipolar	Contacting, bipola	Contacting, bipolar		
		-	Without LED	-		
			function			
Switching element function		N/O contact	N/O contact			
Reproducibility of switching point ¹⁾	[mm]	±0.1	±0.1			
Switch-on time	[ms]	≤0.5	≤0.5			
Switch-off time [ms] ≤0.03		≤0.03				
Max. switching frequency	[Hz]	-	500	500		
Max. output current	[mA]	1,000	-	1,000		
Max. output current DC	[mA]	-	120	1,000	-	
Max. output current AC	[mA]	-	250	1,000	-	
Max. switching capacity DC	[W]	27	40			
Max. switching capacity AC	[VA]	-	40		·	
Voltage drop	[V]	-	0 4.5	0		
Residual current	[mA]	-	0			

¹⁾ Only applicable to drives secured against rotation.

Output, additional data	
Protection against short circuit	No
Protection against overloading	No

# Proximity sensors SMEO-1, block design, magnetic reed Technical data



Electronic components							
Electrical connection		3-wire 2		2-wire	2-wire		
Туре		SMEO-1LED-24	SMEO-1-S-24-B	SMEO-1-LED-230	SMEO-1-B	SME0-1-S6,	
						heat-resistant	
Operating voltage range DC	[V]	12 27	0 30	5 200	0 200		
Operating voltage range AC	[V]	-	-	5 250	0 250		
Reverse polarity protection		No		No			

Electromechanical components						
Electrical connection		3-wire		2-wire		
Туре		SMEO-1-LED-24	SMEO-1-SB	SMEO-1-LED-230	SMEO-1-B	SMEO-1-S6,
						heat-resistant
Electrical connection		Cable, 3-wire	Plug M8x1, 3-pin	Cable, 2-wire		
Connection direction		In-line				
Cable length [m]		2.5	-	2.5	2.5	2.5
		5		5	-	-
Cable sheath materials		PVC	-	PVC	PVC	TPE-S

Mechanical components			
Electrical connection		3-wire	2-wire
Type of mounting		Via accessories	
Tightening torque	[Nm]	-	2.9
Product weight	[g]		
Housing materials		Die-cast zinc	Die-cast zinc
		-	Epoxy resin
			TPE-O
			Steel
			PET
			PC

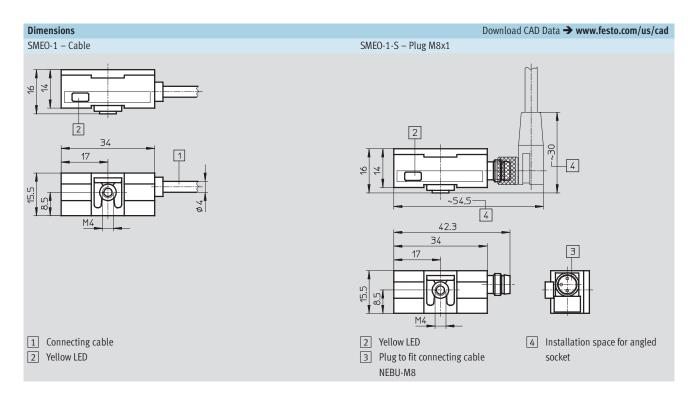
Display/operation					
Electrical connection	3-wire		2-wire		
Туре	SMEO-1LED-24	SMEO-1-S-24-B	SMEO-1-LED-230		SMEO-1-S6, heat-resistant
Switching status display	Yellow LED	-	Yellow LED	-	-

Immissions/emissions							
Electrical connection		3-wire		2-wire			
Туре		SMEO-1LED-24	SMEO-1-S-24-B	SMEO-1-LED-230	SMEO-1-B	SMEO-1-S6,	
						heat-resistant	
Ambient temperature with flexible	[°C]	-5 +70	-	-5 +70	-5 +70	-40 +120	
cable installation							
Protection class		IP67		IP67			
Surge capacity	[kV]	-		4			
Degree of contamination		-		3	3		

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

## **Proximity sensors SMEO-1, block design, magnetic reed** Technical data





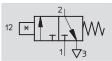
Ordering data							
	Electrical con	nection	Cable length	Switching status	Product weight	Part No.	Туре
	Cable	Plug M8x1	[m]	display	[g]		
	N/O contact						
	Operating vol	tage range 12 27 V [	)C				
	3-wire	_	2.5	•	85	30459	SMEO-1-LED-24-B
			5.0	•	130	151672	SMEO-1-LED-24-K5-B
	-	3-pin	-	•	20	150848	SMEO-1-S-LED-24-B
	Operating vol	tage range 0 30 V DO	-				
	-	3-pin ¹⁾	-	-	20	150847	SMEO-1-S-24-B
						•	
	Operating vol	tage range 0 250 V A	AC, 0 200 V DC				
	2-wire	-	2.5	•	100	151671	SMEO-1-LED-230-B
			5.0	•	130	160998	SMEO-1-LED-230-K5-B
			2.5	-	100	30457	SMEO-1-B
	Heat-resistan	t up to 120 °C	•	•	•	•	
	2-wire	_	2.5	-	100	151673	SMEO-1-S6-C

¹⁾ The proximity sensor has 2 wires internally. One pin of the M8 plug is unused.

## **Proximity sensors SMPO-1, block design, pneumatic** Technical data

**FESTO** 

Function 3/2-way valve, normally closed



- Pneumatic proximity sensor
- Magnetic measuring principle



Design Control of the				
Constructional design	Block design			
Type of mounting	Via accessories			
Connection direction	In-line			
Reproducibility of switching point ¹⁾ [mm]	±0.1			
Switching status display	Optical			

1) Only applicable to drives secured against rotation.

Technical data		
Switching element function		3/2-way valve, normally closed
Operating medium		Filtered, unlubricated compressed air
Operating pressure	[bar]	26
Switch-on time	[ms]	12
Switch-off time	[ms]	30
Pneumatic connection		Barbed connector for tubing, nominal diameter 3 mm
Protection class		IP65

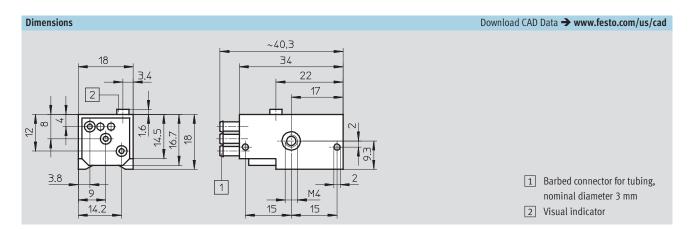
Operating and environmental conditions		
Ambient temperature [°C	[]	-15 +60
Corrosion resistance class CRC ¹⁾		1

1) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Materials	
Housing	Polyamide
Barbed connector	Brass
Note on materials	Free of copper and PTFE

Product weights [g]	
PNP	14

# **Proximity sensors SMPO-1, block design, pneumatic** Technical data



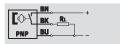
Ordering data							
	Pneumatic connection	Part No.	Туре				
	3/2-way valve, normally closed						
	Barbed connector for 3 mm I.D. tubing	31008	SMPO-1-H-B				



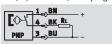
## **Proximity sensors SMT-C1, block design, magneto-inductive** Technical data

**FESTO** 

Function PNP, N/O contact, with cable



Function PNP, N/O contact, with plug



- Magneto-inductive measuring principle
- For standard cylinders DSBF-C or CDN-...-R with sensor strip





Technical data				
Design	Block design			
Based on standard	EN 60947-5-2			
Certification	C-Tick			
Suitability for use in the food industry	As per manufacturer's declaration			
CE mark To EU EMC Directive ¹⁾				
(see declaration of conformity)				
Note on materials	Cable free of halogen			
	Free of copper and PTFE			

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com  $\Rightarrow$  Support  $\Rightarrow$  User documentation. If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Input signal/measuring element					
Measuring principle		Magneto-inductive			
Ambient temperature	[°C]	-20 +70			

Switching output					
Switching output		PNP			
Switching element function		N/O contact			
Switch-on time	[ms]	0 0.5			
Switch-off time	[ms]	0 0.5			
Max. output current	[mA]	200			
Max. switching capacity DC	[W]	6			
Voltage drop	[V]	0 1.8			

Output, additional data				
Protection against short circuit	Pulsed			
Protection against overloading	Yes			

Electronic components					
Operating voltage range DC	[V]	10 30			
Residual ripple	[%]	10			
Reverse polarity protection		For all electrical connections			

Electromechanical components						
Туре	SMT-C1OE	SMT-C1M8D	SMT-C1M12			
Electrical connection	Cable, 3-wire	Cable with plug M8x1, 3-pin, rotatable thread	Cable with plug M12x1, 3-pin			
Connection direction	In-line					
Cable length [m]	- 0.3		0.3			
	5	-	-			
	10					
Cable sheath materials	TPE-O					
Wire ends	Wire end sleeve					

### Proximity sensors SMT-C1, block design, inductive

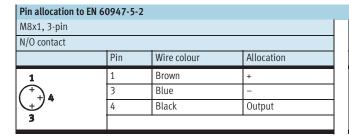


Technical data

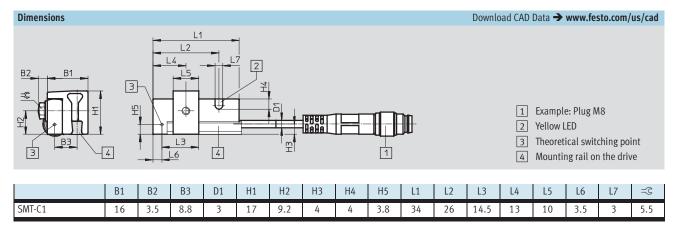
Mechanical components					
Type of mounting		Clamped			
Tightening torque	[Nm]	1.2			
Mounting position		Any			
Housing materials		High-alloy stainless steel			
		Wrought aluminium alloy			
		Nickel-plated brass			
		PP			
		TPE-0			
		TPE-U(PU)			

Display/operation	
Switching status display	Yellow LED

Immissions/emissions					
Ambient temperature with flexible [°C]	-20 +70				
cable installation					
Protection class	To IEC 60529				
	IP65				
	IP68				



M12x1, 3-pin						
N/O contact						
Pin Wire colour Allocation						
1	1	Brown	+			
(+++) A	3	Blue	-			
( + ) *	4	Black	Output			
3						



Ordering data									
	Switching Electrical connection			Cable length	Weight	Part No.	Туре		
	output	Cable	Cable with plug						
			M8x1, rotatable	M12x1					
			thread		[m]	[g]			
	N/O contact								
	PNP	3-wire	-	-	5	65.9	571339	SMT-C1-PS-24V-K-5,0-OE	
12/					10	114.5	571340	SMT-C1-PS-24V-K-10,0-0E	
		-	3-pin	-	0.3	24.4	571342	SMT-C1-PS-24V-K-0,3-M8D	
		-	-	3-pin	0.3	32.6	571341	SMT-C1-PS-24V-K-0,3-M12	

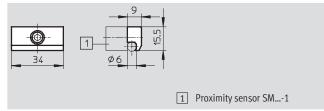
## **Proximity sensors, block design**Accessories

**FESTO** 

#### Mounting kit SMB-1

Material: Die-cast zinc



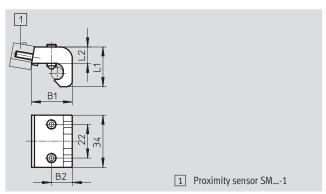


Dimensions and ordering data		
For piston Ø	Part No.	Туре
32 100	11886	SMB-1

#### Mounting kit SMB-2-B/SMB-3-B

Material: Die-cast aluminium





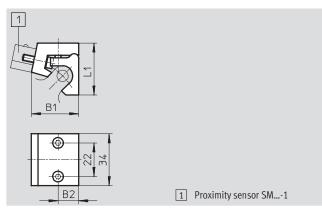
Dimensions and ordering data						
For piston $\varnothing$	B1	B2	L1	L2	Part No.	Туре
32 50	18	11	23	11.6	36162	SMB-2-B
63 100	26.8	13.7	26	10.8	36163	SMB-3-B

#### Mounting kit SMBU

Material:

Die-cast aluminium





Dimensions and ordering data					
For piston $\varnothing$	B1	B2	L1	Part No.	Туре
32 50	19	8.5	30	36173	SMBU-1-B ¹⁾
63 100	31	13.5	34	36174	SMBU-2-B ¹⁾
125	31	13.5	37	125828	SMBU-3-B

1) Free of copper and PTFE

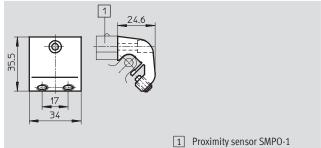
## **Proximity sensors, block design** Accessories

#### **FESTO**

#### Mounting kit SMBU-1-H-32

Material: Aluminium



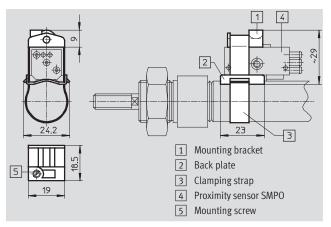


Dimensions and ordering data		
For piston $\varnothing$	Part No.	Туре
32	150216	SMBU-1-H-32

#### Mounting kit SMBS

Material: Brass, plastic



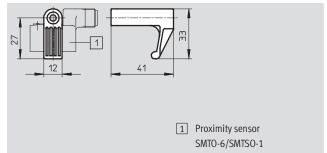


Dimensions and ordering data	
For piston $\varnothing$	Part No. Type
8 25	151225 SMBS-1
32 100	151226 SMBS-2

#### Mounting kit SMBT-1

Material: Die-cast zinc





Dimensions and ordering data		
For piston $\varnothing$	Part No.	Туре
32 200	150002	SMBT-1

## **Proximity sensors, block design** Accessories



Ordering da	ta – Connecting cables				Technical data → Internet: nebu			
		Number of wires	Cable length [m]	Part No.	Туре			
Socket M8x1	Socket M8x1, 3-pin							
	For SMT-C1 and	3	2.5	541333	NEBU-M8G3-K-2.5-LE3			
OF THE PERSON NAMED IN COLUMN TO PERSON NAME	SMTO/SMEO-1		5	541334	NEBU-M8G3-K-5-LE3			
	For SMT-C1 and	3	2.5	541338	NEBU-M8W3-K-2.5-LE3			
For SMI-C1 and SMTO/SME0-1			5	541341	NEBU-M8W3-K-5-LE3			
Socket M12	(1, 5-pin							
	For SMT-C1 and	3	2.5	541363	NEBU-M12G5-K-2.5-LE3			
<b>6</b>	SMTO-6, SMTSO-1		5	541364	NEBU-M12G5-K-5-LE3			
	For SMT-C1 and	3	2.5	541367	NEBU-M12W5-K-2.5-LE3			
<b>8</b>	SMTO-6, SMTSO-1		5	541370	NEBU-M12W5-K-5-LE3			

#### **Product Range and Company Overview**

#### **A Complete Suite of Automation Services**

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



**Custom Automation Components** Complete custom engineered solutions



**Custom Control Cabinets** Comprehensive engineering support and on-site services



**Complete Systems** Shipment, stocking and storage services

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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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**Pneumatics** Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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### **Festo North America**

#### **Festo Regional Contact Center**

5300 Explorer Drive Mississauga, Ontario L4W 5G4 Canada

#### **USA Customers:**

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)
Fax: 1.800.96.FESTO (1.800.963.3786)
Email: customer.service@us.festo.com
For technical support,

Call: 1.866.G0.FESTO (1.866.463.3786)
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Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786)
Fax: 1.877.FX.FESTO (1.877.393.3786)
Email: festo.canada@ca.festo.com

#### **USA Headquarters**

Festo Corporation 395 Moreland Road P.O. Box 18023 Hauppauge, NY 11788, USA www.festo.com/us

#### **USA Sales Offices**

#### Appleton

North 922 Tower View Drive, Suite N Greenville, WI 54942, USA

#### Boston

120 Presidential Way, Suite 330 Woburn, MA 01801, USA

#### Chicago

1441 East Business Center Drive Mt. Prospect, IL 60056, USA

#### Dallas

1825 Lakeway Drive, Suite 600 Lewisville, TX 75057, USA

**Detroit** – Automotive Engineering Center 2601 Cambridge Court, Suite 320 Auburn Hills, MI 48326, USA

#### New York

395 Moreland Road Hauppauge, NY 11788, USA

#### Silicon Valley

4935 Southfront Road, Suite F Livermore, CA 94550, USA

#### **United States**



**USA Headquarters, East**: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788 Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com www.festo.com/us

#### Canada



**Headquarters:** Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4 Phone: 1.905.624.9000; Fax: 1.905.624.9001; Email: festo.canada@ca.festo.com www.festo.ca

#### Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquinahuac, 54020 Tlalnepantla, Edo. de México Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65; Email: [6sto.mexico@mx.festo.com www.festo.com/mx

#### Central USA

Festo Corporation 1441 East Business Center Drive Mt. Prospect, IL 60056, USA Phone: 1.847.759.2600 Fax: 1.847.768.9480



#### Western USA

Festo Corporation 4935 Southfront Road, Suite F Livermore, CA 94550. USA

Livermore, CA 94550, US/ Phone: 1.925.371.1099 Fax: 1.925.245.1286



#### **Festo Worldwide**

Argentina Australia Austria Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia Czech Republic Denmark
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