Proximity sensors SMT/SME-8, for T-slot





★/★ Festo core product range

Covers 80% of your automation tasks

Worldwide: Always in stock

Superb: Festo quality at an attractive price
Easy: Reduces procurement and storing complexity

★ Generally ready for shipping ex works in 24 hours Held in stock in 13 service centres worldwide More than 2200 product

★ Generally ready for shipping ex works in 5 days Assembled for you in 4 service centres worldwide Up to 6 x 10¹² variants per product series



Proximity sensors SMT/SME Product range overview



sign	Type of mounting	Measuring principle	Туре	Operating voltage range	Switching output	Switching element function	→ Page Internet					
r T-slot	Standard	<u> </u>										
	Insertable in the slot	Magneto-resistive	SMT-8M-A	5 30 V DC	PNP	N/O contact	7					
	from above, flush with					N/C contact						
	the cylinder profile				NPN	N/O contact						
	, '				Non-contacting,	N/O contact						
					2-wire	,						
	Insertable in the slot	Magnetic reed	SME-8M	5 30 V AC/DC	Contacting, bipolar	N/O contact	15					
	from above, flush with			,	G/ 1	,						
	the cylinder profile					N/C contact						
	Insertable in the slot	Magnetic reed	SME-8	12 30 V AC/DC	Contacting, bipolar	N/O contact	31					
	lengthwise, flush with				,,	N/C contact						
	the cylinder profile			3 230 V AC/DC		N/O contact	35					
	Insertable in the slot	Magneto-resistive	SMT-8G	10 30 V DC	PNP, NPN	N/O contact	38					
	lengthwise	Magneto-resistive	SMT-8-SL	10 30 V DC	PNP	N/O contact	27					
	tengumse	Magnetic reed	SME-8-SL	10 30 V AC/DC	Contacting, bipolar	N/O contact	31					
	Insertable in the slot	Magnetic reed	SME-8-FM	10 30 V AC/DC	Contacting, bipolar	N/O contact	43					
	from above	Magnetic reed	SIML-0-1 IM	10 30 V AC/DC	Contacting, Dipotal	N/O contact	4)					
	Via accessories	Magneto-resistive	SMTO-8E	10 30 V DC	PNP	N/O contact	56					
		magneto resistive	55 52	10 90 . 20	NPN	- 11/ 0 00111401	30					
		Magnetic reed	SMEO-8E	12 30 V DC	Contacting, bipolar	N/O contact	61					
				3 250 V DC		1.7 = ==================================						
				3 230 V AC								
	Corrosion-resistant											
	Insertable in the slot	Magneto-resistive	CRSMT-8M	5 30 V DC	PNP	N/O contact	23					
	from above, flush with											
	the cylinder profile											
	Welding field immune	Welding field immune										
	Insertable in the slot	Magneto-resistive	SDBT-BSW	10 30 V DC	PNP	N/O contact	46					
	from above, secured	magnete resistive	000.00	10 90 . 20	NPN		, 0					
	with screw				Non-contacting,							
	With Scien				2-wire							
	Via accessories	Magneto-inductive	SMTSO-8E	10 30 V DC	PNP	N/O contact	56					
	via accessories	Magneto madetive	SIVII SO OL	10 50 V DC	NPN	- N/O contact	50					
					INFIN							
	Heat resistant up to 120) °C										
	Insertable in the slot	Magnetic reed	SME-8S6	0 30 V AC/DC	Contacting, bipolar	N/O contact	35					
	lengthwise, flush with											
	the cylinder profile											
	Via accessories	Magnetic reed	SMEO-8ES6	0 30 V DC	Contacting	N/O contact	61					
				0 30 V AC								
			+	1	1	-						
	To EU Explosion Protecti		1000000	1	1	T	T = .					
	Insertable in the slot	Magneto-resistive	SDBT-MSEX6	8.2 V DC	NAMUR	NAMUR	51					
	from above, secured											
	with screw			1	l .							

Proximity sensors SMT/SME



Product range overview

Design	Type of mounting	Measuring principle	Туре	Operating voltage range	Switching output	Switching element function	→ Page/ Internet
For C-slot	Standard						
	Insertable in the slot	Magneto-resistive	SMT-10M	10 30 V DC	PNP	N/O contact	C-slot
	from above, flush with				NPN		
	the cylinder profile				Non-contacting,		
					2-wire		
		Magnetic reed	SME-10M	5 30 V AC/DC	Contacting, bipolar	N/O contact	
	Insertable in the slot	Magneto-resistive	SMT-10G	10 30 V DC	PNP	N/O contact	
	lengthwise	Magnetic reed	SME-10	12 27 V AC/DC	Contacting	N/O contact	1

T-slot sensors can be used for drives with T-slot

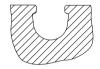




- DFM-B: SMTO-8E, SMTSO-8E, SMEO-8E, SMPO-8E cannot be used
- DHDS: SME-8M can only be used on \varnothing 50
- $\bullet\,$ DHPS: SME-8M can only be used on \varnothing 20 ... 35
- HGDD-63-A: SMT-8M-A cannot be used
- HGPT-B: SMT-8G can only be used from size 40 upwards
- SDBT-BSW- ... -PU/NU can only be used on a limited number of drive series. Page → 46

C-slot sensors can be used for drives with C-slot

Exceptions



- \bullet ADVC \varnothing 100: SMT-10M and SME-10M cannot be used (ADVC has a T-slot and C-slot)
- DSM/DSM-B-6/8/10: SME-10M cannot be used
- DSM/DSM-B-10/16: SMT-10M cannot be used
- HGPT-B: SMT-10G can only be used up to size 35

For drives with sensor rail: these are available with 2 cylinder barrel contours

Only T-slot sensors CRSMT-8M, SMT-8M-A and SDBT-MS- ... -EX6 can be used, and only with the identified profile. CRSMT-8M and SMT-8M-A can be used for all diameters; SDBT-MS-...-EX6 cannot be used for diameters 40 and 50.

Example: DSBF



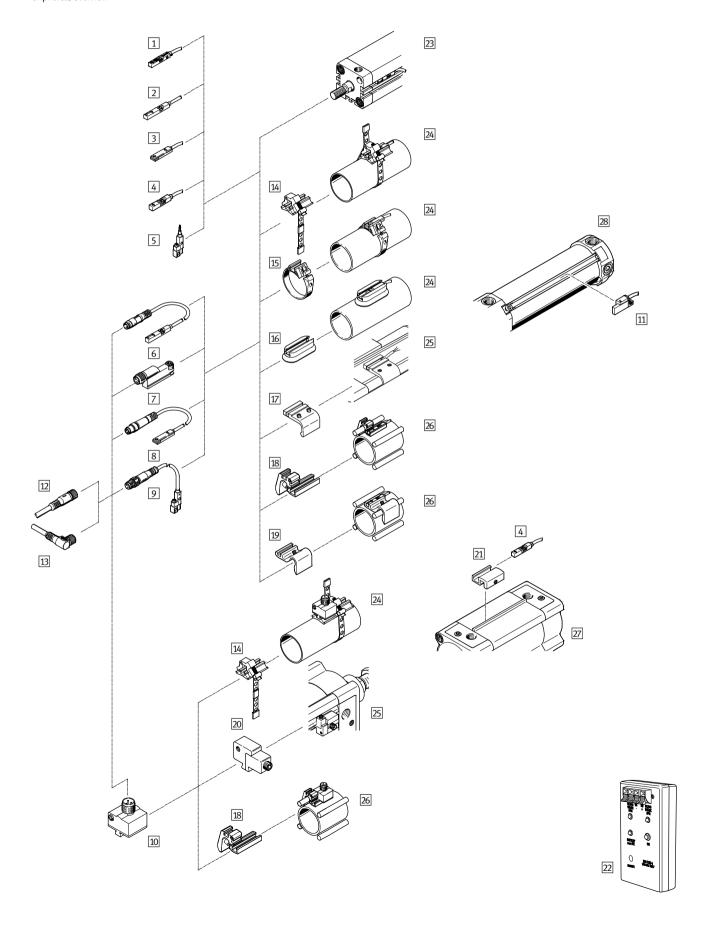
Example: CDC

Suitable

Not suitable

Proximity sensors SMT/SME-8, for T-slot Peripherals overview





Proximity sensors SMT/SME-8, for T-slotPeripherals overview



5

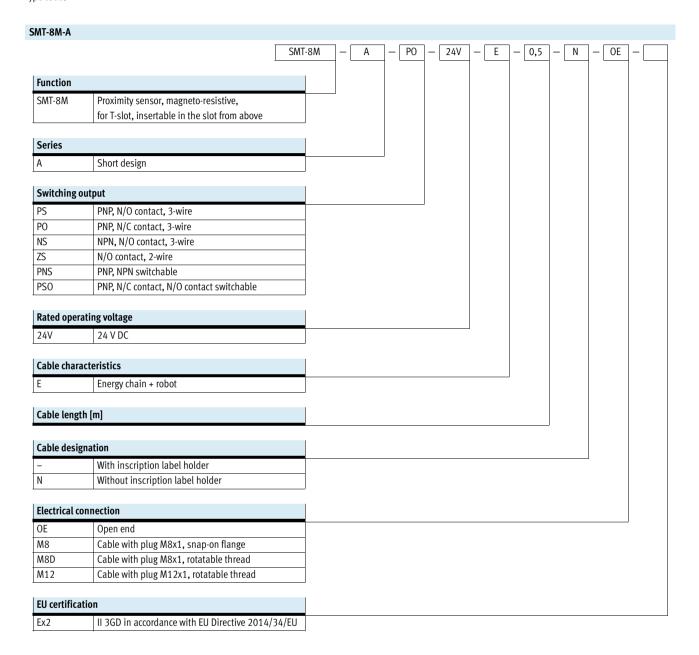
Mou	nting components and accessories	→ Page/ Internet
Prox	imity sensor	
1	SMT-8M-A, with cable	7
2	SME-8MOE, with cable	15
	SDBT-MSEX6, with explosion protection	51
3	SME-8-FMK, with cable	43
4	CRSMT-8M, with cable	23
5	SMT-8GOE, with cable	39
6	SME-8MM, with cable and plug connector	15
7	SMT-8-SL, with plug connector	27
ĺ	SME-8-SL, with plug connector	31
8	SME-8-S, with cable and plug connector	31
9	SMT-8GM, with cable and plug connector	39
10	SMTO/SMTSO, with plug connector	56
	SMEO-8E, with cable or plug connector	61
11	SDBT-BSW, welding field immune	46
Coni	necting cables	
12	NEBU-MG	69
13	NEBU-MW	69

Mou	Mounting components and accessories							
		Internet						
Mou	nting kits and accessories							
14	Mounting kit SMBR-8-8/100-S6, heat-resistant	65						
15	Mounting kit SMBR	65						
16	Mounting kit CRSMB, corrosion-resistant	66						
17	Mounting kit SMB-8-FENG	66						
18	Mounting SMBZ-8	68						
19	Sensor bracket DASP-M4	67						
20	Mounting kit SMB-8E	66						
21	Mounting kit SMB-8-C	67						
22	Sensor tester SM-TEST-1	69						
-	Position marker SMM-8	68						
-	Clip SMBK-8	69						
-	Inscription label ASLR	69						
-	Safety clip NEAU	69						
Driv	es							
23	Drives with T-slot	-						
24	Round cylinders	-						
25	Standard cylinders DSBC	-						
26	Drives with tie or mounting rod							
27	Standard cylinders DSBF	-						
28	Hinge cylinders DFAW	-						

Proximity sensors SMT-8M-A, for T-slot

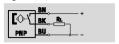


Type code:



FESTO

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



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



- Magneto-resistive measuring principle
- Insertable in the slot from above, does not protrude over the cylinder profile
- Variant EX2 for use in potentially explosive areas in zones 2 and 22





General technical data				
Design	For T-slot			
Assembly position	Any			
Based on standard	EN 60947-5-2			
Approval certificate	c UL us - Listed (OL)			
	RCM trademark			
CE marking (see declaration of conformity)	To EU EMC Directive			
Note on materials	Cable halogen-free, oil-resistant			
	RoHS-compliant, free of copper and PTFE			

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

Switching output							
Туре		PS	NS	PO	ZS	PNS	PS0
Switching output		PNP	NPN	PNP	Non-contacting, 2-wire	PNP, NPN switchable	PNP
Switching element function		N/O contact	N/O contact	N/C contact	N/O contact	N/O contact	N/C contact, N/O contact switchable
Repetition accuracy	[mm]	±0.1					
Switch-on time [ms]		≤ 1.3			≤ 1.0		
Switch-off time	[ms]	≤ 1.4			≤ 1.0		
Max. output current	[mA]	1001)	100 ¹⁾	1001)	801)	100	100
Max. output current in mounting kits	[mA]	100	·		801)	100	
Max. switching capacity DC	[W]	2.8	2.8	2.8	1.9	2.7	2.7
Max. switching capacity DC in mounting kits	[W]	2.8 ²⁾	2.8 ²⁾	2.8 ²⁾	1.5 ²⁾	2.7	2.7
Max. switching frequency	[Hz]	180	•	•	•	•	-
Voltage drop ¹⁾	[V]	< 1.5			< 6		< 2.5

Variant ... PS/NS/PO-... Ex2: max. output current in mounting kits 80 mA, T_a 70 °C
 Variant ... 25-... Ex2: max. output current in mounting kits 50 mA, T_a 70 °C
 Variant ... PS/NS/PO-... Ex2: max. switching capacity 2.2 W

Variant ...-ZS-...-Ex2: max. switching capacity 1.2 W

Output, additional data	
Protection against short circuit	Pulsed
Overload protection	Yes



Electronic components				
Туре		PS, NS, PO, ZS	PNS, PSO	Ex2
Operating voltage range	[V DC]	5 30	7 30	5 30
Rated operating voltage	[V DC]	24	<u> </u>	
Reverse polarity protection		For all electrical connections		

Electromechanical component	ts						
Electrical connection		M8	M8 M8D M12			OE	
Electrical connection		Cable with p	lug, 3-pin			Cable, 3-wire	
		M8x1		M	M12x1	Cable, 2-wire	
		-	Rotatable thread				
Connection direction		In-line In-line					
Cable test conditions		Energy chain	n: 5 million cycles, bending radius 28 mi	m			
		Torsional strength: > 300,000 cycles, ±270°/0.1 m					
		Resistance to	o bending: according to Festo standard;	test conditions on request			
Cable length	[m]	0.1 30					
Cable characteristics		Energy chain + robot					
Cable sheath materials		TPE-U(PUR)					
Cable sheath colour		Grey					

Mechanical components			
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, ZS	PNS	PS0
Switching status indication	Yellow LED	Yellow LED (for PNP)/white LED (for NPN)	Yellow LED (for N/O contact)/white LED (for N/C contact)
Operating reserve indication	Orange LED	-	

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

ATEX	
SMT-8M-A	Ex2
ATEX category for gas	II 3G
Explosion ignition protection type for gas	Ex nA IIC T4 X Gc
ATEX category for dust	II 3D
Explosion ignition protection type for dust	Ex tc IIIC T120 °C X Dc
Explosion-proof temperature	-40 °C <= Ta <= +70 °C
Explosion protection	Zone 2 (ATEX)
	Zone 22 (ATEX)
CE marking (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)

Pin allocation to EN 60947-5-2						
M8x1, 2-pin	M8x1, 2-pin					
N/O contact						
	Pin Wire colour Allocation					
1	1	Brown	+			
1+++	4	Brown Black	+			
+++4	4	- 11	+			

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

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

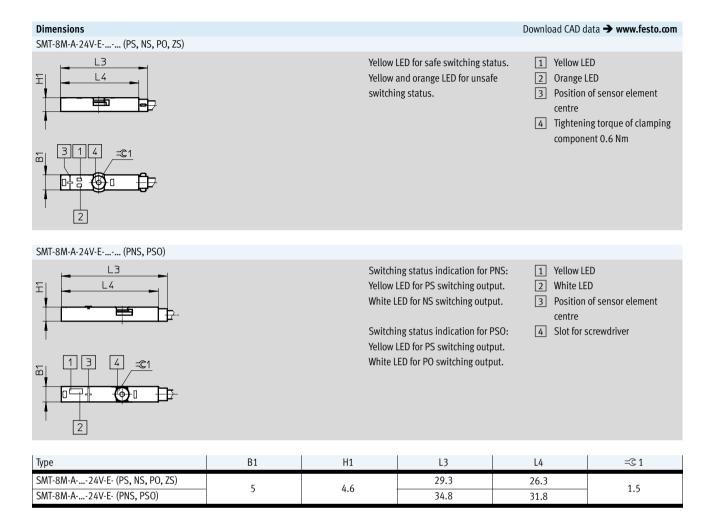
M12x1, 3-pin			
N/O contact			
	Pin	Wire colour	Allocation
1	1	Brown	+
(+++) 4	3	Blue	-
	4	Black	Output

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

Proximity sensors SMT-8M-A, for T-slot



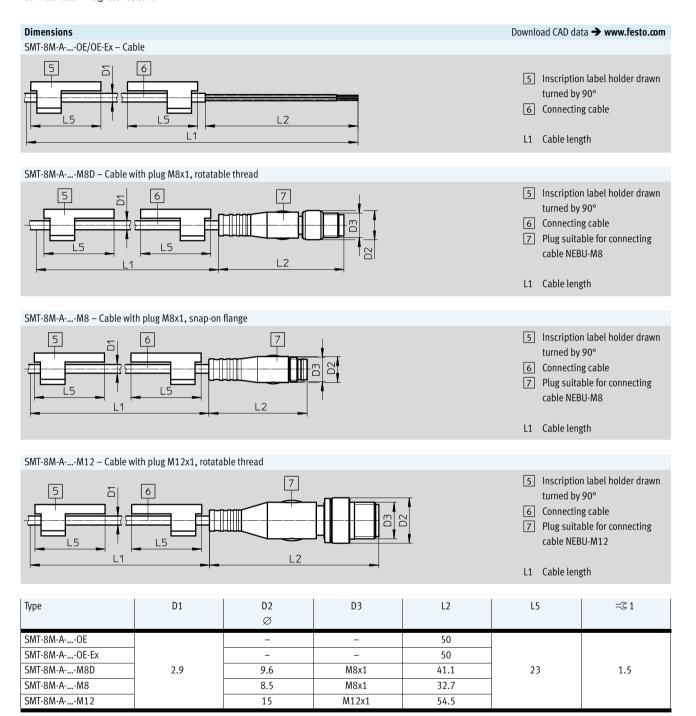
Technical data – Magneto-resistive



Proximity sensors SMT-8M-A, for T-slot



Technical data – Magneto-resistive





★ Core product range

Ordering data								
	Switching	Electrical connection			Cable	Weight	ght Part No.	Туре
	output	Cable	Cable with	plug,	length			
			rotatable t	hread				
			M8x1	M12x1	[m]	[g]		
	N/O contact							
	PNP	-	3-pin	-	0.3	8.9	★ 574334	SMT-8M-A-PS-24V-E-0,3-M8D
	PNP	3-wire	-	-	2.5	29.1	★ 574335	SMT-8M-A-PS-24V-E-2,5-OE
	PNP	3-wire	-	-	5	57.1	★ 574336	SMT-8M-A-PS-24V-E-5,0-OE
	PNP	-	-	3-pin	0.3	15.9	★ 574337	SMT-8M-A-PS-24V-E-0,3-M12
	NPN	3-wire	-	-	2.5	29.1	★ 574338	SMT-8M-A-NS-24V-E-2,5-OE
		-	3-pin	-	0.3	8.9	★ 574339	SMT-8M-A-NS-24V-E-0,3-M8D
	Non-contacting	2-wire	-	-	5	57.1	★ 574341	SMT-8M-A-ZS-24V-E-5,0-0E-Ex2
		1	1	-	1	1	1	
	N/C contact							
	PNP	3-wire	-	-	7.5	85.1	★ 574340	SMT-8M-A-PO-24V-E-7,5-OE

Ordering data								
	Switching	Electrical connection			Cable	Weight	Part No.	Туре
	output	Cable	Cable with	plug,	length			
			rotatable th	read				
			M8x1	M12x1	[m]	[g]		
	N/O contact							
	PNP	-	3-pin	-	0.3	8.9	574342	SMT-8M-A-PS-24V-E-0,3-M8D-Ex2
A STATE OF THE STA			•					
	Switchable							
	PNP/NPN	-	3-pin –		0.3	9	574343	SMT-8M-A-PNS-24V-E-0,3-M8D
	PNP PS/PO	-	3-pin	-	0.3	9	574344	SMT-8M-A-PSO-24V-E-0,3-M8D

Proximity sensors SMT-8M-A, for T-slot Ordering data – Modular products



	dering table		l c 1:		le.
Siz	Z E	8	Condi- tions	Code	Entry code
M	Module No.	574333	tions		code
*11	Function				SMT-8N
	T G T G T G T G T G T G T G T G T G T G			SMT-8M	-
	Series	Short design		A	А
	6 111	a t pupu(a		-	-
	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 N/O contact		ZS	
		PNP/NPN switchable		PNS	
		PNP N/C contact, N/O contact switchable		PS0	
				-	_
	Rated operating voltage [V DC]	24		24V	24V
	Cable characteristics	Energy chain + robot		E	_ E
	Cable characteristics	Lifelgy chain + robot		_	-
	Cable length [m]	0.1 30			
		(0.1 5.0 in 0.1 increments, 5.0 30 in 0.5 increments)			
_				-	-
)	Cable designation	With inscription label holder			
		Without inscription label holder		N	
٨	Connection technology	Onen and		-	-
/\]	Connection technology	Open end		OE MOD	
		M8, rotatable thread		M8D	
		M8, snap-on flange		M8	
		M12, rotatable thread		M12	
Ī	EU certification	II 3GD in accordance with EU Directive 2014/34/EU	1	-Ex2	

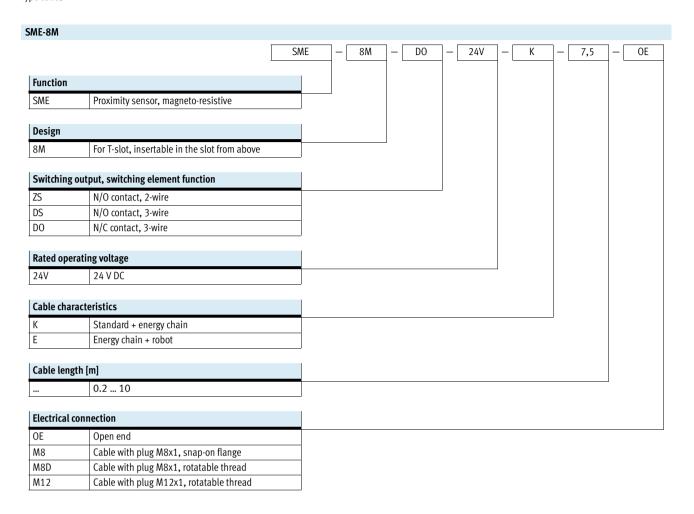
¹ Ex2 Not with switching output PNS, PSO, minimum cable length 0.2 m

Transfer order code SMT-8M – A - 24V - E - N 574333

Proximity sensors SME-8M, for T-slot

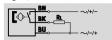


Type codes



FESTO

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



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





e.g. N/O contact, 3	3-wire,	with	plug
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General technical data				
Design	For T-slot			
Based on standard	EN 60947-5-2			
Approval certificate	c UL us - listed (OL)			
	RCM trademark			
CE marking (see declaration of conformity)	To EU EMC Directive			
Special characteristics	Oil resistant			
Note on materials	Free of copper and PTFE			
	RoHS-compliant			

Input signal/measuring element		
Measuring principle		Magnetic reed
Ambient temperature	[°C]	-40 +70

Switching output				
Туре		SME-8M-DS	SME-8M-ZS	SME-8M-DO
Switching output		Contacting, bipolar		
Switching element function		N/O contact	N/O contact	N/C contact
Max. output current	[mA]	500	80	
Max. output current in mounting	[mA]	80	80	
kits				
Max. switching capacity DC	[W]	10	2.4	
Max. switching capacity DC in	[W]	2.4	2.4	
mounting kits				
Max. switching capacity AC	[VA]	10	2.4	
Max. switching capacity AC in	[VA]	2.4	2.4	
mounting kits				
Voltage drop ¹⁾	[V]	≤1.5	≤4.8	≤3.5

¹⁾ Applies to cable length 2.5m. Max. 0.15V voltage drop per metre of additional cable length

Output, additional data	
Protection against short circuit	No
Overload protection	No

Electronic components		
Operating voltage range DC	[V]	5 30
Operating voltage range AC	[V]	5 30
Reverse polarity protection		No



Electromechanical component	S									
Switching element function		DS/DO	DS/DO			ZS				
Electrical connection		OE	M8D	M8	M12	OE	M8D	M8	M12	
Electrical connection		Cable,	Cable, Cable with plug, 3-pin			Cable,	Cable with	Cable with plug, 2-pin		
		3-wire	M8x1	M8x1	M12x1	2-wire	M8x1	M8x1	M12x1	
			Rotatable	Snap-on	Rotatable		Rotatable	Snap-on	Rotatable	
			thread	flange	thread		thread	flange	thread	
Connection direction		In-line					l l		1	
Cable test conditions	K	Energy chai	Energy chain: 5 million cycles, bending radius 75 mm							
		Resistance	Resistance to bending: to Festo standard; test conditions on request							
	E	Energy chai	Energy chain: 5 million cycles, bending radius 28 mm							
		Torsional st	rength: ±270°/	0.1 m						
		Resistance	Resistance to bending: to Festo standard; test conditions on request							
Cable length	[m]	0.2 10								
Cable characteristics	K	Standard +	energy chain							
	E	Energy chai	n + robot							
Cable sheath materials	K	TPE-U(PUR)								
	E	TPE-U(PUR)	, halogen-free							

Mechanical components		
Electrical connection	OE	M
Type of mounting	Screw-clamped, insertable in the slot from above	
Housing	PA	PA
	High-alloy stainless steel	High-alloy stainless steel
	-	Nickel-plated brass
	-	TPE-U(PUR)

Display/operation	
Switching status indication	Yellow LED

Immissions/emissions		
Ambient temperature with flexible	[°C]	-5 +70
cable installation		
Degree of protection		IP65, IP68



Pin allocation to EN 6	0947-5-2		
M8x1, 2-pin			
N/O contact			
	Pin	Wire colour	Allocation
1	1	Brown	+
(+) A	4	Black	Output
+)4			

M12x1, 2-pin			
N/O contact			
	Pin	Wire colour	Allocation
		Dunner	
1	1	Brown	+
1 (++++++++++++++++++++++++++++++++++++	4	Black	Output
(+++++++++++++++++++++++++++++++++++++	4		

Pin allocation to EN 6	0947-5-2		
M8x1, 3-pin			
N/O contact and N/C	contact		
	Pin	Wire colour	Allocation
1	1	Brown	+
(+ ₊) A	3	Blue	-
\ _	4	Black	Output
3			

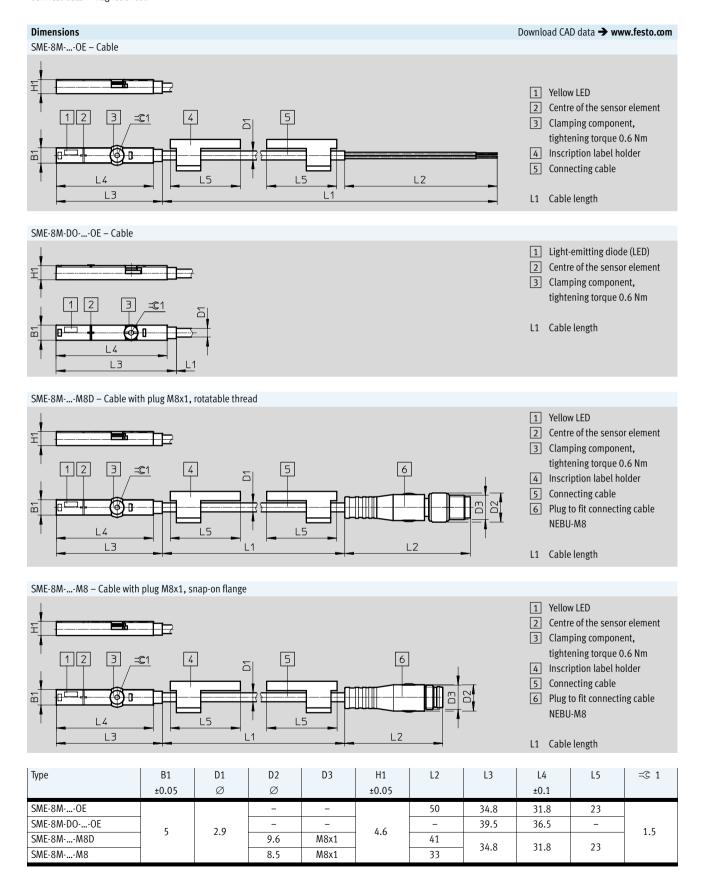
M12x1, 3-pin			
N/O contact			
	Pin	Wire colour	Allocation
1	1	Brown	+
(+ +) A	3	Blue	-
(+) -	4	Black	Output
9			

Pin allocation to EN 60947-5-2							
M12x1, 3-pin							
N/C contact							
	Pin	Wire colour	Allocation				
1	1	Brown	+				
2 (4+)	3	Brown Blue	-				
2 (++++++++++++++++++++++++++++++++++++	3 2						

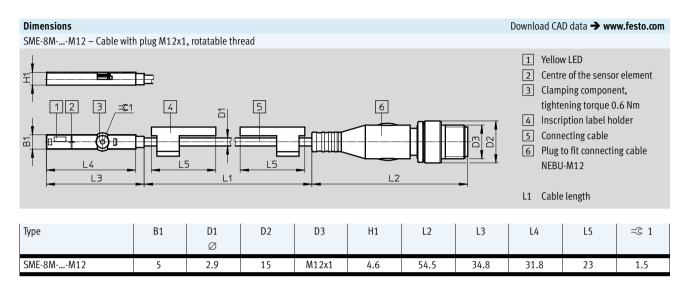
Proximity sensors SME-8M, for T-slot



Technical data - Magnetic reed







★ Core product range

Ordering data									
Olueilig data	1	1		1	1	_			
	Switching output	Electrical connection		Cable length	Part No.	Type			
		Cable	Cable with plug, rotatable thread, M8x1						
	N/O contact								
	Contacting, bipolar	3-wire	-	2.5	★ 543862	SME-8M-DS-24V-K-2,5-OE			
				5.0	★ 543863	SME-8M-DS-24V-K-5,0-OE			
		-	3-pin	0.3	★ 543861	SME-8M-DS-24V-K-0,3-M8D			
		2-wire	_	2.5	★ 543872	SME-8M-ZS-24V-K-2,5-0E			
	N/C contact								
	Contacting, bipolar	3-wire	-	7.5	★ 546799	SME-8M-DO-24V-K-7,5-OE			

Ordering data						
	Switching output	Electrical connection	Electrical connection			Туре
		Cable	Cable with plug, rotatable thread, M8x1	[m]		
	N/O contact					
CT ST	Contacting, bipolar	3-wire	-	7.5	543876	SME-8M-DS-24V-K-7,5-OE

Festo core product range

- ★ Generally ready for shipping ex works in 24 hours
- ☆ Generally ready for shipping ex works in 5 days

Proximity sensors SME-8M, for T-slot Modular products – Magnetic reed



M Mandatory data							
Module No.	Function	Switching output	Rated operating voltage	Cable characteristics	Cable length	Connection technology	
543892	SME-8M	DS ZS DO	24V	K E	0.2 10	OE M8D M8 M12	
Ordering example						1	
543892	SME-8M	- ZS	- 24V	- K	- 0.8	- OE	

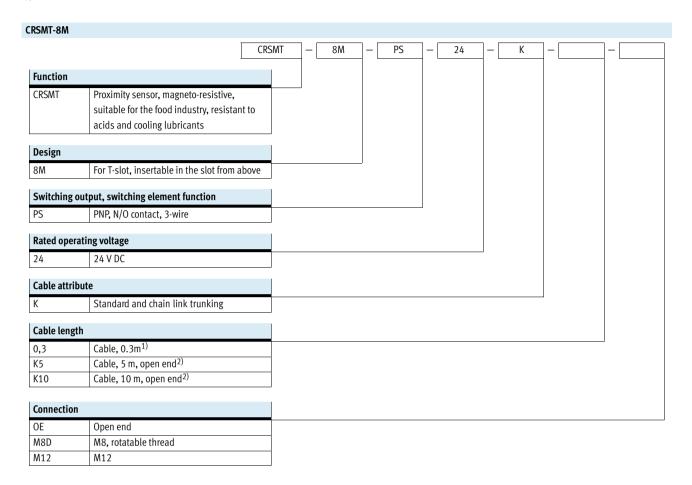
0r	dering table					
Size			8	Condi- tions	Code	Entry code
M	Module No.		543892			
	Function		Proximity sensor for T-slot, contacting		SME-8M	SME-8M
					-	-
	Switching output		3-wire N/O contact		DS	
			2-wire N/O contact		ZS	
			3-wire N/C contact		DO	
					-	-
	Rated operating voltage [V DC]		24		24V	24V
					-	-
	Cable characteristics		Standard + energy chain		K	
			Energy chain + robot		E	
					-	-
	Cable length [r	m]	0.2 10			
			(0.2 5.0 m in 0.1 m increments, 5.0 10 m in 0.5 m increments)			
					-	-
	Connection technology		Open end		OE	
			M8, rotatable thread		M8D	
			M8, snap-on flange		M8	
			M12, rotatable thread		M12	

Transfer order o	od								
543892		SME-8M	-	-	24 V	-	-	-	

Proximity sensors CRSMT-8M, SMT-8-SL/SME-8, for T-slot



Type codes

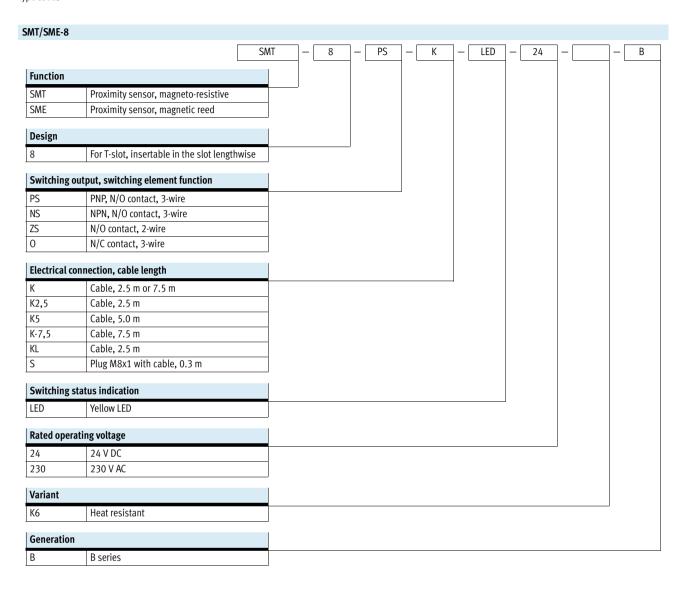


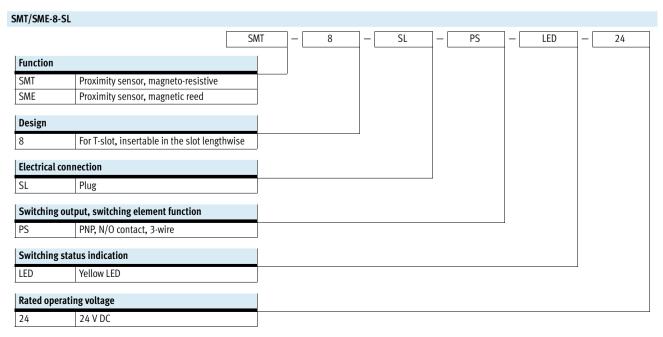
- 1) Only with M8D or M12 connection
- 2) Only with OE connection

Proximity sensors CRSMT-8M, SMT-8-SL/SME-8, for T-slot



Type codes

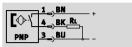


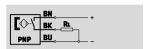


FESTO

Function

e.g. PNP, N/O contact, with plug





- Suitable for foodstuffs
- Acid resistant
- Alkali resistant
- Resistant to cooling lubricants



General technical data					
Design	For T-slot				
Based on standard	EN 60947-5-2				
Approval certificate	RCM trademark				
Special characteristics	Acid resistant, alkali resistant, resistant to cooling lubricants				
Suitable for use in the food industry ¹⁾	As per manufacturer's declaration				
Note on materials	RoHS-compliant, halogen-free				

1) Additional information www.festo.com/sp → Certificates.

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

Switching output		
Switching element function		N/O contact
Switching output		PNP
Switching output repetition	[mm]	± 0.1
accuracy		
Switch-on time	[ms]	≤1
Switch-off time	[ms]	≤.1
Max. switching frequency	[Hz]	180
Max. output current	[mA]	100
Max. switching capacity DC	[W]	2.8
Voltage drop	[V]	<1.5
Residual current	[mA]	< 0.05

Output, additional data					
Protection against short circuit	Pulsed				
Overload protection	Yes				

Electronic components		
Switching output		PNP
Rated operating voltage	[V DC]	24
Operating voltage range	[V DC]	5 30
Reverse polarity protection		For all electrical connections



Electromechanical components				
Connection direction	In-line			
Cable characteristics	Standard + energy chain			
Cable test conditions	Energy chain: 5 million cycles, bending radius 75 mm			
	Torsional strength: > 300,000 cycles, ±270°/0.1 m			
	Bending strength: according to Festo standard			

Mechanical components						
Electrical connection		Cable, 3-wire		Cable with plug, rotatable thread		
				M8D	M12	
Type of mounting		Screw-clamped				
		Insertable in the slot from above				
Assembly position		Any				
Max. tightening torque [N		0.6				
		-		0.3	0.5	
Information on materials						
Housing		High-alloy stainless steel, PP				
Union nut		_		Nickel-plated brass		
Cable sheath		TPE-O				
Insulating sheath		PP				
Plug housing		-	PP			
Wire ends		Wire end sleeves	-			
Pin contacts		_		Nickel-plated and gold-plated brass		

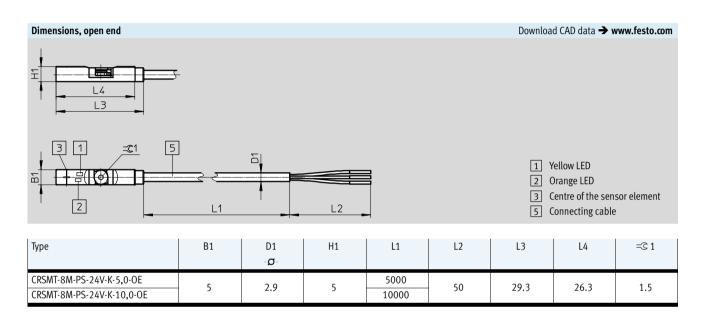
Display/operation		
Switching status indication	Yellow LED	
Operating reserve indication	Orange LED	

Immissions/emissions		
Ambient temperature with flexible [°C]	-20 85	
cable installation		
Degree of protection	IP65	
	IP68	
	IP69K	

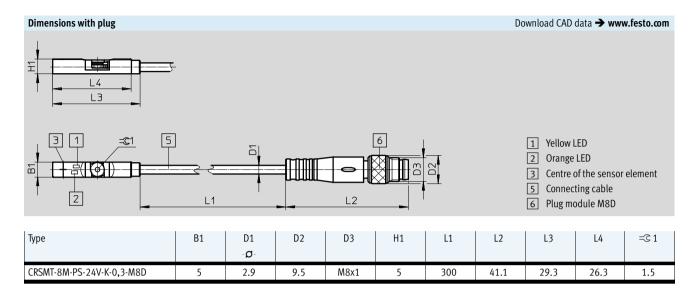
ATEX	
ATEX category for gas	II 3G
Explosion ignition protection type for gas	Ex nA IIC T4 X Gc
ATEX category for dust	II 3D
Explosion ignition protection type for dust	Ex tc IIIC T120°C X Dc
Explosion-proof temperature [°C]	-40°C <= Ta <= +85°C
CE marking (see declaration of conformity)	To EU EMC Directive
	To EU Explosion Protection Directive (ATEX)

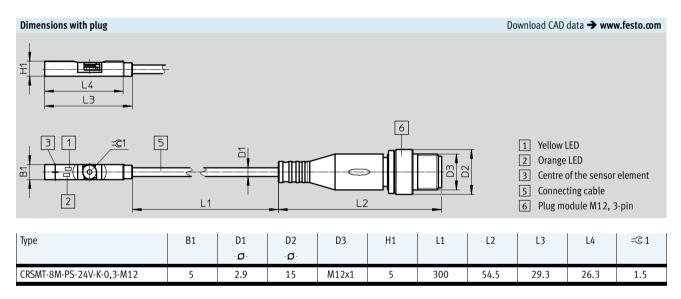


Pin allocation to	EN 60947-5-	2						
M8x1, 3-pin					M12x1, 3-pin			
N/O contact				N/O contact				
	Pin	Pin Wire colour Allocation				Pin	Wire colour	Allocation
1	1	Brown	+		1	1	Brown	+
(+),	3	Blue	-		(+) A	3	Blue	-
4	4	Black	Output		*	4	Black	Output
3		<u>'</u>	•		3		П.	









Ordering data							
	Switching output	hing output Electrical connection		Cable length	Weight	Part No.	Туре
		Cable	Cable with plug, rotatable				
			thread	[m]	[g]		
N/O contact, corros	sion resistant						
	PNP	3-wire	-	5	47.6	574380	CRSMT-8M-PS-24V-K-5,0-OE
	PNP	3-wire	-	10	93.4	574381	CRSMT-8M-PS-24V-K-10,0-OE
					•		
	PNP	3-pin	M12x1	0.3	9.1	574382	CRSMT-8M-PS-24V-K-0,3-M12
	PNP	3-pin	M8x1	0.3	16.1	574383	CRSMT-8M-PS-24V-K-0,3-M8D

FESTO

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



- Magneto-resistive measuring principle
- Insertable in the slot lengthwise

SMT-8-SL

- Sturdy thanks to long guides
- Plug directly on sensor



General technical data	
Туре	SMT-8-SL
Switching output	PNP
Design	For T-slot
Conforms to standard	-
Based on standard	EN 60947-5-2
Certification	RCM trademark
	c UL us - listed (OL)
CE marking	To EU EMC Directive
(see declaration of conformity)	
Note on materials	Free of copper and PTFE
	RoHS-compliant

Input signal/measuring elemen	t	
		SMT-8-SL
Measuring principle		Magneto-resistive
Ambient temperature	[°C]	-20 +70

Switching output		
Туре		SMT-8-SL
Switching output		PNP
Switching output		PNP
Switching element function		N/O contact
Reproducibility of switching value	[mm]	-
Switch-on time	[ms]	≤1
Switch-off time	[ms]	35
Max. switching frequency	[Hz]	140
Max. output current	[mA]	100
Max. switching capacity DC	[W]	3
Voltage drop	[V]	≤ 2
Residual current	[µmA]	≤1.5

Output, additional data	
Туре	SMT-8-SL
Switching output	PNP
Protection against short circuit	Yes
Overload protection	Yes



Electronic components		
Туре		SMT-8-SL
Switching output		PNP
Rated operating voltage	[V DC]	24
Operating voltage range	[V DC]	10 30
Reverse polarity protection		For all electrical connections

Electromechanical components		
Туре		SMT-8-SL
Switching output		PNP
Electrical connection		Plug M8x1, 3-pin
Connection direction		In-line
Cable length	[m]	-
Cable sheath materials		-

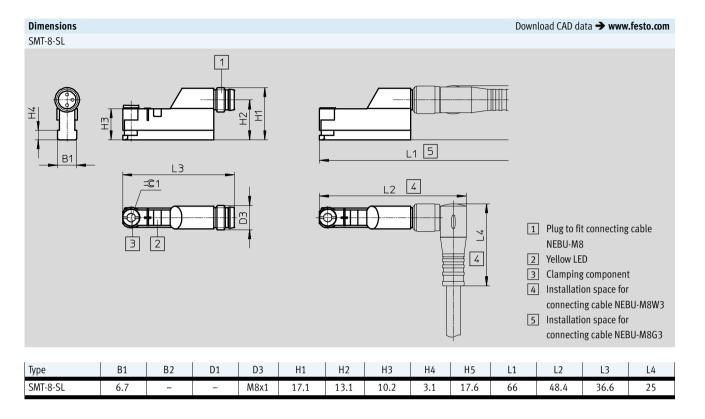
Mechanical components	
Туре	SMT-8-SL
Switching output	PNP
Electrical connection	Plug M8x1, 3-pin
Type of mounting	Screw-clamped
Type of mounting	Screw-clamped Insertable in the slot lengthwise
Type of mounting Housing material information	'

Display/operation	
Switching status indication	Yellow LED

Immissions/emissions		
Туре		SMT-8-SL
Ambient temperature with flexible	[°C]	-
cable installation		
Degree of protection		IP65
		IP68
		-
Insulation voltage	[V]	-
Degree of contamination		-

Pin allocation to EN 60947-5-2								
PS/NS								
Plug, 3-pin								
M8x1	Pin	Wire colour	Allocation					
1	1	Brown	+					
(+)	2	Dive						
(+)	3	Blue	_					
(+ +) 4	4	Black	- Output					

FESTO

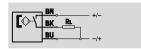




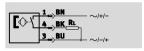
Ordering data							
	Switching output	Electrical connection	n		Cable length	Part No.	Туре
		Cable	Cable with plug				
			M8x1		[m]		
N/O contact, basic	version						
	PNP	-	-	3-pin	_	562019	SMT-8-SL-PS-LED-24-B

FESTO

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



e.g. N/O contact, with plug, 3-pin



- Magnetic reed measuring principle
- Insertable in the slot lengthwise

SME-8-SL

- Sturdy thanks to long guides
- Plug directly on sensor





General technical data									
Туре	SME-8-K	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL				
Design	For T-slot								
Conforms to standard	EN 60947-5-2								
Certification	RCM trademark								
CE marking (see declaration of conformity)	To EU EMC Directive ¹⁾								
Note on materials	Free of copper and PTFE								
	RoHS-compliant – RoHS-compliant								

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp → Certificates. 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									
Туре		SME-8-K	SME-8-K5	SME-8-K-7,5	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL	
Measuring principle	Magnetic reed								
Ambient temperature	[°C]	-40 +60	-40 +70	-40 +70	-40 +70	-40 +60	-40 +60	-40 +60	

Switching output									
Туре		SME-8-K	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL			
Switching output		Contacting, bipola	ar						
Switching element function		N/O contact	N/O contact	N/O contact	N/C contact	N/O contact			
Reproducibility of switching value	[mm]	±0.1	±0.1	±0.1	±0.1	±0.1			
Switch-on time	[ms]	≤ 0.5	≤ 0.5	≤ 0.5	≤ 2	≤ 0.6			
Switch-off time	[ms]	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.2	≤ 0.05			
Max. switching frequency	[Hz]	800	-	800	-	500			
Max. output current	[mA]	500	500	80	50	500			
Max. switching capacity AC	[VA]	10	10	-	1.5	10			
Max. switching capacity DC	[W]	10	10	2.16	1.5	10			
Voltage drop	[V]	0	-	≤ 3.5	≤ 2.5	0			

Output, additional data	
Protection against short circuit	No
Overload protection	No

Electronic components						
Туре		SME-8-K	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL
Operating voltage range	[V AC]	12 30	12 30	-	12 30	10 30
Operating voltage range	[V DC]	12 30	12 30	12 27	12 30	10 30
Reverse polarity protection		No	·	·	·	·



Electromechanical componen	ts							
Туре		SME-8-K	SME-8-K5	SME-8-K-7,5	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL
Electrical connection		Cable, 3-wire	Cable, 3-wire			Cable, 2-wire	Cable, 3-wire	Plug M8x1, 3-pin
Connection direction		In-line					•	
Cable length	[m]	2.5	5	7.5	0.3	2.5	7.5	-
Cable sheath materials		TPE-U (PUR)						-

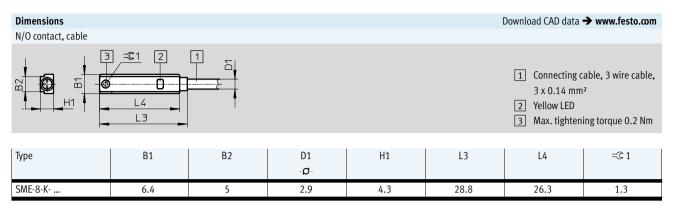
Mechanical components									
Туре	SME-8-K	SME-8-K5	SME-8-K-7,5	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL		
Type of mounting	Clamped in T-sl	Clamped in T-slot							
	Insertable in the	e slot lengthwise							
Housing material information	Epoxy resin								
	PC								
PET									
	High-alloy stainless steel								

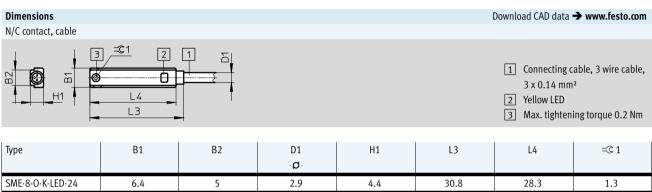
Display/operation	
Switching status indication	Yellow LED

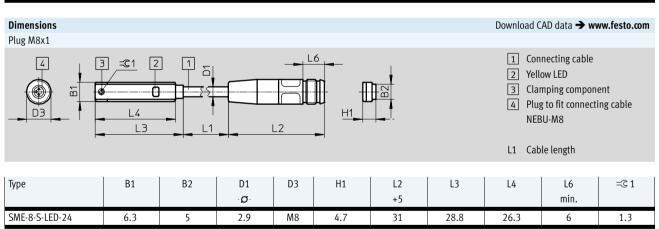
Immissions/emissions								
Туре		SME-8-K	SME-8-K5	SME-8-K-7,5	SME-8-S	SME-8-ZS	SME-8-0	SME-8-SL
Ambient temperature with flexible	[°C]	-5 +60	-5 +70	-5 +70	-5 +70	-5 +60	-5 +60	-
cable installation								
Degree of protection		IP65	•		_	IP65	-	IP65
		IP67			IP67	IP67	IP67	IP67
Insulation voltage	[V]	50						
Surge resistance	[kV]	3	3	3	3	3	3	3
Degree of contamination		3						

Pin allocation to EN 60947-5-2								
S								
Plug, 3-pin								
M8x1	Pin Wire colour Allocation							
1	1	Brown	+					
(+)	3	Blue	_					
4,74	4	Black	Output					
3								







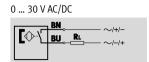




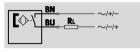
Ordering data							
	Switching output	Electrical connection	Electrical connection			Part No.	Туре
		Cable	Cable with plug	Plug M8x1	-		
			M8x1		[m]		
N/O contact, basic	c version						
~	Contacting,	3-wire	-	-	2.5	150855	SME-8-K-LED-24
	bipolar				5.0	175404	SME-8-K5-LED-24
					7.5	530491	SME-8-K-7,5-LED-24
		_	3-pin	-	0.3	150857	SME-8-S-LED-24
		2-wire	-	-	2.5	171169	SME-8-ZS-KL-LED-24
	Contacting,	-	-	3-pin	-	526622	SME-8-SL-LED-24
	bipolar						
		1					
N/C contact							
	Contacting,	3-wire	-	-	7.5	160251	SME-8-O-K-LED-24
	bipolar						

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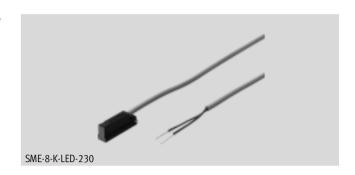
Function e.g. N/O contact, with cable, 2-wire,



e.g. N/O contact, with cable, 2-wire, 3 ... 230 V AC/DC



- Magnetic reed measuring principle
- Insertable in the slot lengthwise
- Heat resistant design
- Variants with operating voltage range up to 230 V DC/AC



General technical data					
	SME-8S6	SME-8230			
Design	For T-slot				
Conforms to standard	EN 60947-5-2				
Certification	-	RCM trademark			
	-	CCC			
CE marking (see declaration of conformity)	-	To EU EMC Directive ¹⁾			
	-	To EU Low Voltage Directive			
Note on materials	Free of copper and PTFE				
	RoHS-compliant				

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp -> Certificates. 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 eleme	nt		
		SME-8S6	SME-8230
Measuring principle		Magnetic reed	
Ambient temperature	[°C]	-40 +120	-30 +60

Switching output					
		SME-8S6	SME-8230		
Switching output		Contacting, bipolar	Contacting, bipolar		
Switching element function		N/O contact			
Reproducibility of switching value	[mm]	±0.1	±0.1		
Switch-on time	[ms]	≤ 0.5	2		
Switch-off time	[ms]	≤ 0.03	0.03		
Max. switching frequency	[Hz]	800	500		
Max. output current	[mA]	500	120		
Max. switching capacity AC	[VA]	10			
Max. switching capacity DC	[W]	10			
Voltage drop	[V]	≤ 0	≤ 3.9		
Residual current	[mA]	-	0		



Output, additional data					
	SME-8S6	SME-8230			
Protection against short circuit	No				
Overload protection	No				

Electronic components						
		SME-8S6	SME-8230			
Operating voltage range	[AC V]	0 30	3 230			
Operating voltage range	[V DC]	0 30	3 230			
Reverse polarity protection		No				

Electromechanical components					
		SME-8S6	SME-8230		
Electrical connection		Cable, 2-wire			
Connection direction		In-line			
Cable length	[m]	2.5	2.5		
		-	-		
Cable sheath materials		TPE-S	TPE-U (PUR)		

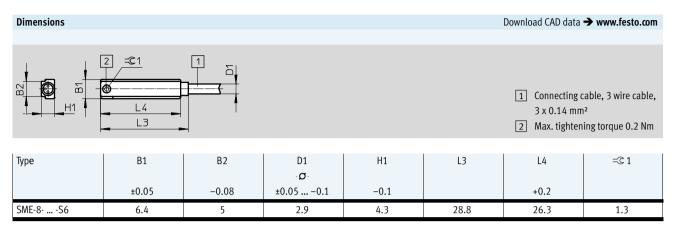
Mechanical components					
	SME-8S6	SME-8230			
Type of mounting	Clamped in T-slot	Clamped in T-slot			
	Insertable in the slot lengthwise	Insertable in the slot lengthwise			
Housing material information	Epoxy resin	Epoxy resin			
	PET	PET			
	High-alloy stainless steel	High-alloy stainless steel			
Cable sheath materials	TPE-S	TPE-U (PUR)			

Display/operation		
	SME-8S6	SME-8230
Switching status indication	-	Yellow LED

Immissions/emissions			
		SME-8S6	SME-8230
Ambient temperature with flexible	[°C]	−5 +120	−5 +60
cable installation			
Ambient temperature		-40 +120	-
Degree of protection		-	-
		IP67	IP68
Insulation voltage	[V]	50	-
Surge resistance	[kV]	0.8	4
Degree of contamination		3	3

Proximity sensors SME-8, for T-slot Technical data – Magnetic reed



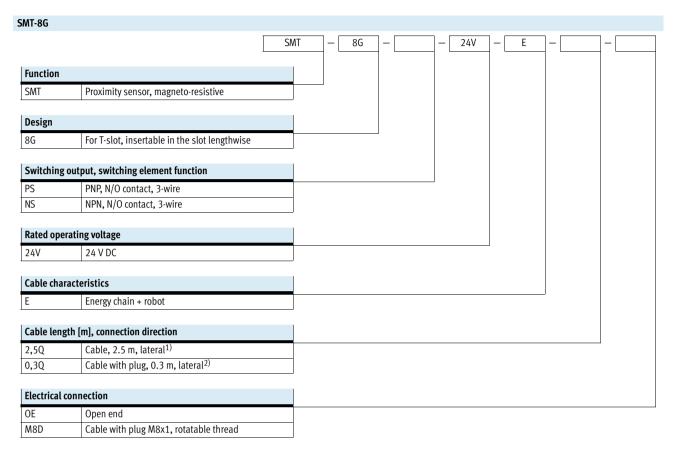


Dimensions						Dow	nload CAD data 🗦	www.festo.com
H2 H1	2 <u>-\$1</u> 	3 1				[2	Yellow LED	ole g torque 0.2 Nm
Туре	B1	B2	D1 - ø -	H1	H2	L3	L4	=© 1
SME-8-K-LED-230	6.4	5	3.4	9.8	6.7	26.2	20.2	1.3

Ordering data							
	Switching output	Electrical	Connection	Cable length	Weight	Part No.	Туре
		connection	direction				
		Cable		[m]	[g]		
N/O contact, heat resi	stant						
~	Contacting, bipolar	2-wire,	In-line	2.5	50	161756	SME-8-K-24-S6
		open end					
N/O contact, operatin	g voltage range up to 23	30 V AC/DC					
	Contacting, bipolar	2-wire,	In-line	2.5	39	152820	SME-8-K-LED-230
		open end					
4							



Type code

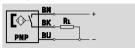


¹⁾ Only with electrical connection OE

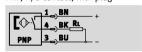
Not with electrical connection OE

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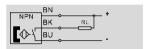
Function PNP, N/O contact, with cable, 3-wire



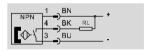
PNP, N/O contact, with plug



NPN, N/O contact, with cable, 3-wire



NPN, N/O contact, with plug



- Magneto-resistive measuring principle
- Insertable in the slot lengthwise
- Design ideal for gripper sensing





General technical data		
Design	For T-slot	
Based on standard	EN 60947-5-2	
Approval certificate	c UL us - listed (OL)	
CE marking (see declaration of conformity)	To EU EMC Directive	
Note on materials	Free of copper and PTFE	
	RoHS-compliant	

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

Switching output		PNP NPN		
Switching element function		N/O contact		
Max. output current	[mA]	100		
Max. switching capacity DC	[W]	2.8		

Output, additional data	
Protection against short circuit	Pulsed
Overload protection	Yes



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

Electromechanical componen	ts				
Туре		SMT-8GOE	SMT-8GM8D		
Electrical connection		Cable, 3-wire	Cable with plug M8x1, 3-pin, rotatable thread		
Connection direction		Lateral			
Cable test conditions		Energy chain: 5 million cycles, bending radius 28 mm			
		Torsional strength: > 300,000 cycles,	±270°/0.1 m		
		Resistance to bending: to Festo standa	ard; test conditions on request		
Cable length	[m]	2.5	0.3		
Cable characteristics	Cable characteristics		Energy chain + robot		
Cable sheath materials		Thermoplastic polyurethane elastomer			

Mechanical components		
Type of mounting Clamped in T-slot		
	Insertable in the slot lengthwise	
Housing material information	Reinforced PA	

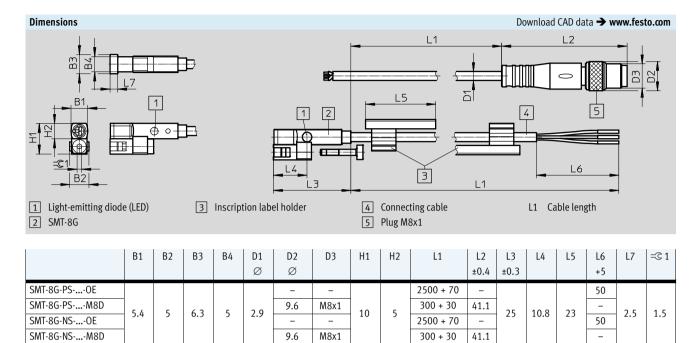
Display/operation	
Switching status indication	Yellow LED

Immissions/emissions		
Ambient temperature with flexible [°C]	−5 +70	
cable installation		
Degree of protection	IP65	
	IP68	

Pin allocation to EN 60947-5-2					
S S					
Plug, 3-pin					
M8x1	Pin	Wire colour	Allocation		
1	1	Brown	+		
(+)	3	Blue	_		
(4	Black	Output		
9					



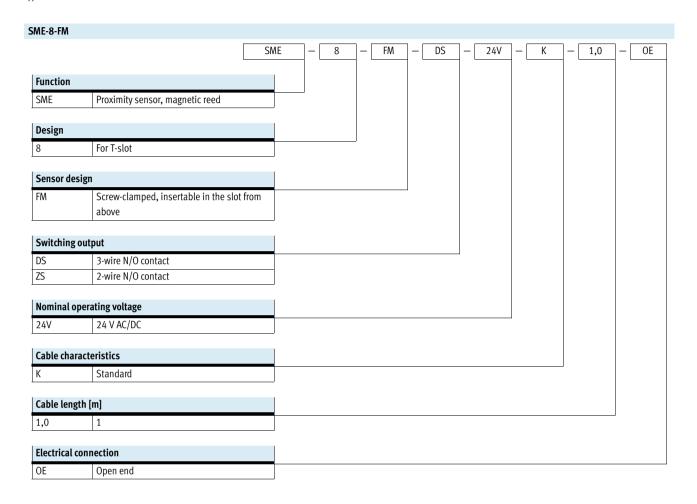
Technical data – Magneto-resistive



Ordering data								
	Switching output	Electrical connection		Cable length	Part No.	Type		
		Cable	Cable with plug,					
			rotatable thread					
			M8x1	[m]				
/O contact								
A	PNP	3-wire	-	2.5	547859	SMT-8G-PS-24V-E-2,5Q-0E		
][-	3-pin	0.3	547860	SMT-8G-PS-24V-E-0,3Q-M8D		
4		ı	-		1			
	NPN	3-wire	-	2.5	8065028	SMT-8G-NS-24V-E-2,5Q-0E		
		_	3-pin	0.3	8065027	SMT-8G-NS-24V-E-0,3Q-M8D		

Proximity sensors SME-8-FM, for T-slot Type codes

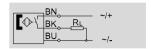




Proximity sensors SME-8-FM, for T-slot Technical data – Magnetic reed

FESTO

Function N/O contact, with cable, 3-wire



N/O contact, with cable, 2-wire



- Magnetic reed measuring principle
- Insertable in the slot from above





General technical data				
Design	For T-slot			
Based on standard	EN-60947-5-2			
Certification	RCM trademark			
CE marking (see declaration of conformity)	To EU EMC Directive			
Note on materials	Free of copper and PTFE			
	RoHS-compliant			

Input signal/measuring element		
Measuring principle		Magnetic reed
Ambient temperature	[°C]	-10 +60

Switching output				
Туре		SME-8-FM-DS	SME-8-FM-ZS	
Switching output		Contacting, bipolar		
Switching element function		N/O contact		
Max. output current	[mA]	100		
Max. switching capacity AC	[VA]	3		
Max. switching capacity DC	[W]	3		

Output, additional data		
Protection against short circuit	No	
Overload protection	No	

Electronic components		
Operating voltage range	[AC V]	10 30
Operating voltage range	[V DC]	10 30

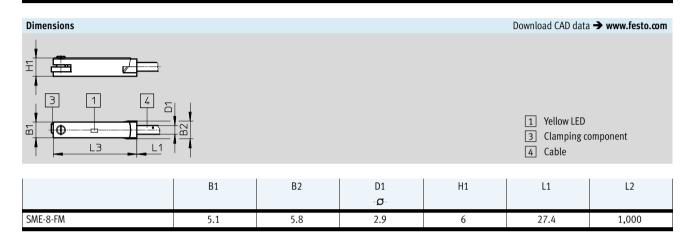
Electromechanical components						
Туре		SME-8-FM-DS	SME-8-FM-ZS			
Electrical connection		Cable, 3-wire	Cable, 2-wire			
Connection direction		In-line				
Cable test conditions		Test conditions on request				
Cable length	[m]	1				
Cable characteristics		Standard				
Cable sheath materials		PVC				

Mechanical components			
Туре	SME-8-FM-DS	SME-8-FM-ZS	
Type of mounting	Screw-clamped		
	Insertable in the slot from above		
Housing material information	PA		

Proximity sensors SME-8-FM, for T-slot Technical data – Magnetic reed



Display/operation	
Switching status indication	Yellow LED
Immissions/emissions	
Ambient temperature with flexible [°C]	−5 +60
cable installation	
Degree of protection	IP67

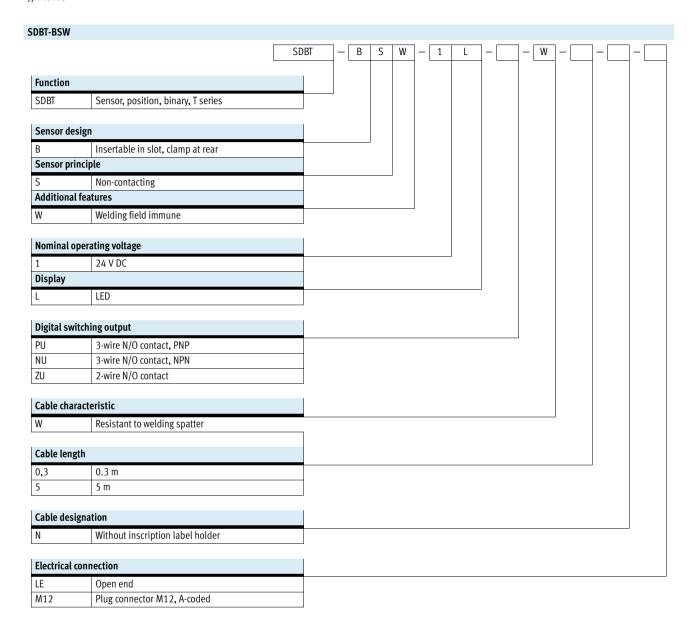


Ordering data					
	Switching output	Electrical connection	Cable length	Part No.	Туре
		Cable	[m]		
	Contacting, bipolar	3-wire	1	562515	SME-8-FM-DS-24V-K-1,0-OE
		2-wire	1	562516	SME-8-FM-ZS-24V-K-1,0-OE

Proximity sensors SDBT-BSW-..., for T-slot



Type codes



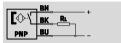
Proximity sensors SDBT-BSW-..., for T-slot

FESTO

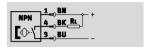
Technical data – Magneto-resistive

Function

e.g.:... -PU-...-LE



e.g.:... -NU-...-M12



- Oil-resistant
- Welding field immune, AC 50 ... 60 Hz, MFDC 1000 Hz
- Resistant to welding spatter
- Resistant to UV radiation





- For contactless piston-rod position sensing in Festo pneumatic cylinders, in particular the hinge cylinder DFAW for AMI, in low and medium frequency welding installations (50/60 Hz, 1000 Hz) with strong constant or alternating magnetic fields.
- When using the SDBT-BSW on drives other than the DFAW series, multiple switching can occur.
- The SDBT-BSW-...-ZU-... (2-wire version for 50/60 Hz AC) can be used on all drives.
- The SDBT-BSW-...-PU/NU-... (3-wire version for 50/60 Hz AC and 1000 Hz MFDC) can be used on the following drives (see table). For drives that are not listed, reliable functioning cannot be guaranteed. The application range should be checked where necessary.

SDBT-BSWPU/NU (3-wire version for 50/60 Hz AC and 1000 Hz MFDC)															
Drive	Ø	[mm]	8	10	12	16	18	20	25	32	40	50	63	80	100
DFAW			-	-	-	-	-	-	-	-	-				-
DSBC			-	-	-	-	-	-	-		-	-	-	-	-
ADN			-	-			-		-				-	-	-
ADVU			-	-			-						-	-	-
DFM			-	-			-		-					-	-
DSBG			-	-	-	-	-	-	-					-	
DSNU			-	-	-		-		-			-	-	-	-
DGC-K			-	-	-	-		-		-	-	-	-	-	-

General technical data					
Design	For T-slot				
Based on standard	EN 60947-5-2				
Approval	RCM mark				
	c UL us - Listed (OL)				
Special characteristics	Oil-resistant				
	Welding field immune				
	Resistant to welding spatter				
	Resistant to UV radiation				
Switching characteristics during the	Output signal freezes				
welding process					
CE marking	To EU EMC Directive				
(see declaration of conformity)					
KC marking	KCEMC				
Note on materials	Free of copper and PTFE, RoHS-compliant				

Input signal/measuring element						
Measuring principle		Magneto-resistive				
Measured variable		Position				
Ambient temperature	[°C]	-25 +85				

Signal processing	
Max. travel speed [m/s	1



Switching output		PU	NU	ZU				
Switching element function		N/O contact						
Switching output repetition	[mm]	±0.2						
accuracy								
Switch-on time	[ms]	≤15						
Switch-off time	[ms]	≤25						
Max. switching frequency	[Hz]	25						
Max. output current	[mA]	100	100 80					
Max. output current in mounting	[mA]	100	100					
kits								
Max. switching capacity DC	[W]	2.8		1.9				
Max. switching capacity DC in	[W]	2.8		1.9				
mounting kits								
Voltage drop	[V]	<1.5	<6					
Minimum load current	[mA]	0	0 2.4					
Residual current	[mA]	<0.005	<0.14	<0.7				

Output, additional data	
Protection against short circuit	Yes, pulsed
Overload protection	Yes

Electronic components		
Switching output		PNP
Rated operating voltage	[V DC]	24
Operating voltage range	[V DC]	10 30
Reverse polarity protection		For all electrical connections

Electromechanical components	PU/ NUM12	PU/ NULE	ZULE					
Electrical connection	Cable with plug connector, 3-pin,	Cable, 3-wire, open end	Cable, 2-wire, open end					
	M12x1, A-coded to EN 61076-2-101,	l12x1, A-coded to EN 61076-2-101,						
	screw-type lock							
Connection direction	In-line							
Cable characteristic	Resistant to welding spatter							
Cable test conditions	Test conditions on request							



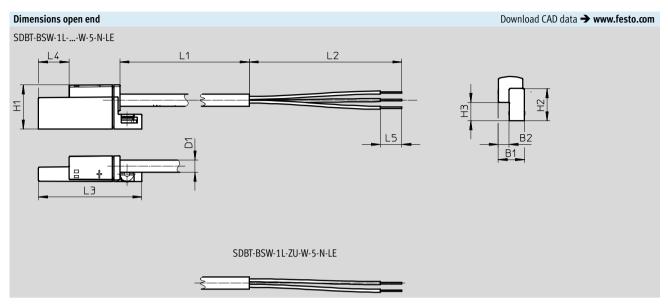
Mechanical system	PU/ NUM12	PU/ NULEZULE							
Type of mounting	Screw-clamped, insertable in the slot from above								
Mounting position	Any								
Max. tightening torque [Nm]	0.6								
Information on materials									
Housing	Epoxy resin, high-alloy stainless steel,	Epoxy resin, high-alloy stainless steel, PA reinforced, black							
Union nut	Nickel-plated brass	-	-						
Cable sheath	PVC, irradiated grey								
Insulating sheath	PVC								
Plug housing	TPE-U(PU)	-	-						
Wire ends	-	Wire end sleeve	Wire end sleeve						
Pin contacts	Nickel-plated and gold-plated brass	-	-						

Display/operation	
Switching status display	Yellow LED
Operating reserve display	Orange LED

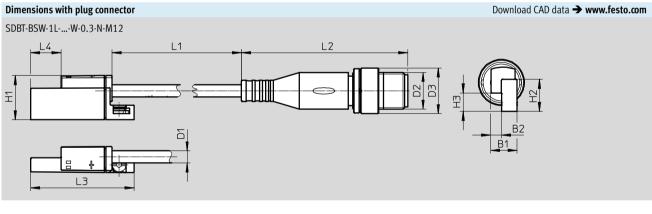
Immissions/emissions							
Ambient temperature with flexible [°C]		−5 +80					
cable installation							
Degree of protection		965					
		IP68					
Resistance to interference from		Design insensitive to permanent magnetic fields < Bon					
magnetic fields	[ZU]	Insensitive to alternating magnetic fields (50 60 Hz) < 160 mT					
[PU/NU]		Insensitive to MFDC magnetic fields (1000 Hz) < 200 mT,					
		insensitive to alternating magnetic fields (50 60 Hz) < 200 mT					

Pin allocation to EN 60947-5-2									
M12x1, 3-pin									
N/O contact									
	Pin Wire colour Allocation								
1	1	Brown	+						
(+++) 4	3	Blue	-						
(+) ⁴	4	Black	Outlet						
3									





Туре	B1	B2	D1 - ø-	H1	H2	Н3	L1	L2	L3	L4	L5
SDBT-BSW-1L-PU-W-5-N-LE											
SDBT-BSW-1L-ZU-W-5-N-LE	8.5	3.5	4	14.5	10.5	6	5000	50	34	10	7
SDBT-BSW-1L-NU-W-5-N-LE											



Туре	B1	B2	D1 - g -	D2	D3 - ø -	H1	H2	Н3	L1	L2	L3	L4
SDBT-BSW-1L-PU-W-0,3-N-M12		2.5			1.5							
SDBT-BSW-1L-NU-W-0,3-N-M12	8.5	3.5	4	M12	15	14.5	10.5	6	300	54.5	34	10



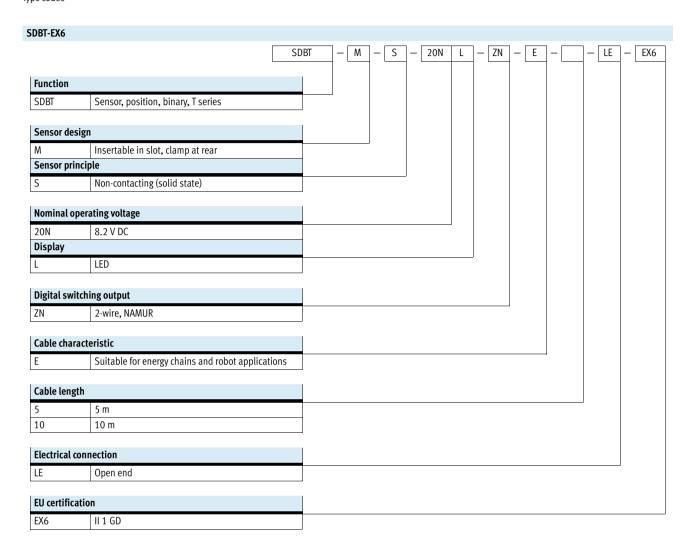
Ordering data					
	Switching output	Cable length	Weight	Part No.	Туре
		[m]	[g]		
N/O contact					
	3-wire, NPN	0.3	23.3	2427615	SDBT-BSW-1L-NU-W-0.3-N-M12
	3-wire, PNP	5	119.4	2427616	SDBT-BSW-1L-PU-W-5-N-LE
6	3-wire, NPN	5	119.4	2427618	SDBT-BSW-1L-NU-W-5-N-LE
	3-wire, PNP	0.3	23.3	2476855	SDBT-BSW-1L-PU-W-0.3-N-M12
	2-wire, contactless	5	116.9	2427617	SDBT-BSW-1L-ZU-W-5-N-LE

Accessories – Con	Accessories – Connecting cables						
	Switching output	Cable length	Weight	Part No.	Туре		
		[m]	[g]				
Resistant to welding	Resistant to welding spatter						
∕ Gar	3-wire, M12x1 straight socket	3	_	30450	SIM-M12-RS-3GD-3		
	3-wire, M12x1 angled socket	3	-	30451	SIM-M12-RS-3WD-3		

Proximity sensors SDBT-MS-...-EX6, for T-slot



Type codes

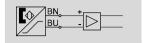




Function

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• ATEX 1GD





General technical data		
Design		For T-slot
Based on standard		EN 60947-5-6
Approval certificate		RCM mark
Special characteristics		Oil resistant
Max. input voltage Ui	[V]	28
Max. input current li	[A]	0.25
Max. input power Pi	[mW]	T4: 350 mW
		T6: 72 mW
Effective internal inductance Li	[µH]	30
Effective internal capacitance Ci	[μF]	79
Certificate issuing authority		PTZ 16 ATEX 0010 X
		IECEx PTZ 18.0008X
		DNV 17.0027 X
CE marking		To EU EMC Directive
(see declaration of conformity)		To EU Explosion Protection Directive (ATEX)
KC marking		KC EMC

Input signal/measuring element		
Measured variable		Position
Measuring principle		Magneto-resistive
Ambient temperature	[°C]	-40 +85
Ambient temperature with flexible	[°C]	-20 +85
cable installation		

ATEX	
ATEX category gas	II 1G
Type of ignition protection for gas	Ex ia IIC T4 T6 Ga
ATEX category for dust	1D
Type of ignition protection for dust	Ex ia IIIC T135°C Da
Explosion ambient temperature	T4, with fixed cable installation: -40°C <= Ta <= +85°C
	T4: -20°C <= Ta <= +85°C
	T6, with fixed cable installation: -40°C <= Ta <= +45°C
	T6: −20°C <= Ta <= +45°C
Explosion protection certification outside the	EPL Da (IEC-Ex)
EU	EPL Da (BR)
	EPL Ga (IEC-EX)
	EPL Ga (BR)



Materials	
Housing	High-alloy stainless steel
	PA reinforced, black
Cable sheath	TPE-U(PUR), blue
Insulating sheath	PP
Note on materials	Free of copper and PTFE
	RoHS compliant
	Halogen-free

Switching output		NAMUR
Switching element function		NAMUR
Switching output repetition	[mm]	0.2
accuracy		
Switch-on time	[ms]	<1
Switch-off time	[ms]	<1
Max. switching frequency	[Hz]	330
Off-state current	[mA]	0.4 1

Electronics		
Rated operating voltage	[V DC]	8.2
Operating voltage range	[V DC]	7.5 18
Residual ripple	[%]	10
Reverse polarity protection		For all electrical connections

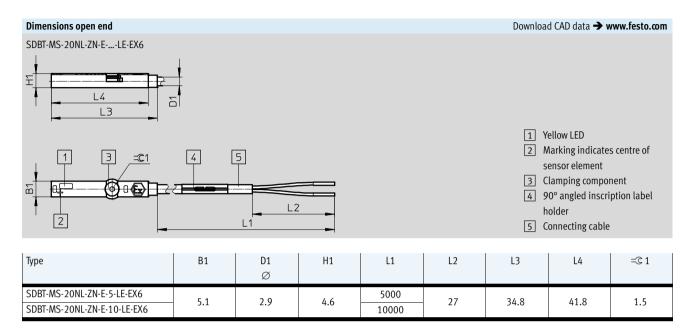
Electromedianical components		
Electrical connection	Cable, 2-wire, open end	
Outlet direction of connection	In-line	
Cable characteristic	Suitable for robot applications and energy chains	
Cable test conditions	Test conditions on request	
	Bending strength according to Festo standard	

Mechanical safety		
Type of mounting		Screw-clamped
Mounting position		Any, insertable in slot from above
Max. tightening torque	[Nm]	0.6
Wire ends		Wire end sleeve

Display/operation	
Switching status indication	Yellow LED

Immissions/emissions		
Degree of protection	IP65	
	IP68	



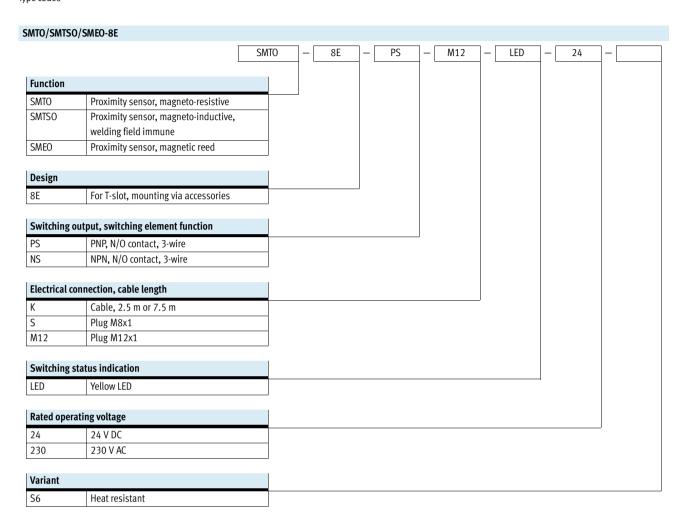


Switching output	Cable length	Weight	Part No.	Type
	[m]	[g]		
2-wire, NAMUR	5	53	579071	SDBT-MS-20NL-ZN-E-5-LE-EX6
	10	104	579072	SDBT-MS-20NL-ZN-E-10-LE-EX6
		2-wire, NAMUR 5	2-wire, NAMUR 5 53	2-wire, NAMUR

Proximity sensors SMTO/SMTSO/SMEO-8E, for T-slot



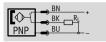
Type code



Proximity sensors SMTO-8E/SMTSO-8E, for T-slot Technical data – Magneto-resistive



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



NPN, N/O contact, with plug

- Magneto-resistive measuring principle
- Welding field immune designs





General technical data		
Туре	SMTO-8E	SMTSO-8E, welding field immune
Design	For T-slot	
Approval certificate	RCM trademark	
CE marking	To EU EMC Directive ¹⁾	
(see declaration of conformity)		
Note on materials	Free of copper and PTFE	
	RoHS-compliant	-

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp → Certificates.

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					
Туре		SMTO-8E	SMTSO-8E, welding field immune		
Measuring principle		Magneto-resistive	Magneto-inductive		
Ambient temperature	[°C]	-20 +60	−25 +70		

Switching output					
Туре		SMTO-8E		SMTSO-8E, welding field immune	
Switching output		PNP NPN		PNP	NPN
Switching element function		N/O contact			
Reproducibility of switching value	[mm]	±0.1			
Switch-on time	[ms]	0 0.5		0 38	
Switch-off time	[ms]	10 25		0 20	
Max. output current	[mA]	100		200	
Max. switching capacity DC	[W]	3		6	
Voltage drop	[V]	0 1.8		0 1.8	0 3
Residual current	[µmA]	0.01		<u> </u>	

Output, additional data				
Туре	SMTO-8E		SMTSO-8E, weldir	ng field immune
Switching output	PNP	NPN	PNP	NPN
Protection against short circuit	Pulsed		Yes	Pulsed
Overload protection	Yes			

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

Proximity sensors SMTO-8E/SMTSO-8E, for T-slot Technical data – Magneto-resistive



Electromechanical components				
Туре		SMTO-8ES	SMTO-8EM12	SMTSO-8EM12, welding field
				immune
Electrical connection		Plug M8x1, 3-pin	Plug M12x1, 3-pin	Plug M12x1, 3-pin
Connection direction		Lateral		
Max. tightening torque, plug	[Nm]	0.3	0.5	0.5

Mechanical components				
Туре		SMTO-8ES	SMTO-8EM12	SMTSO-8EM12, welding field
				immune
Type of mounting		Clamped in T-slot		
		Insertable in the slot from ab	oove	
		Via accessories		
Tightening torque	[Nm]	1	0.5	0.5
Housing material information		TPE-U(PU)	TPE-U(PU)	TPE-U(PU)
		Nickel-plated brass	High-alloy stainless steel	High-alloy stainless steel
		-	Wrought aluminium alloy	Wrought aluminium alloy
			-	PA

Display/operation	
Switching status indication	Yellow LED

Immissions/emissions			
Туре	SMTO-8ES	SMTO-8EM12	SMTSO-8EM12, welding field
			immune
Degree of protection	IP65		
	IP67		
Resistance to interference from magnetic	-	-	Alternating magnetic field
fields			45 65 Hz

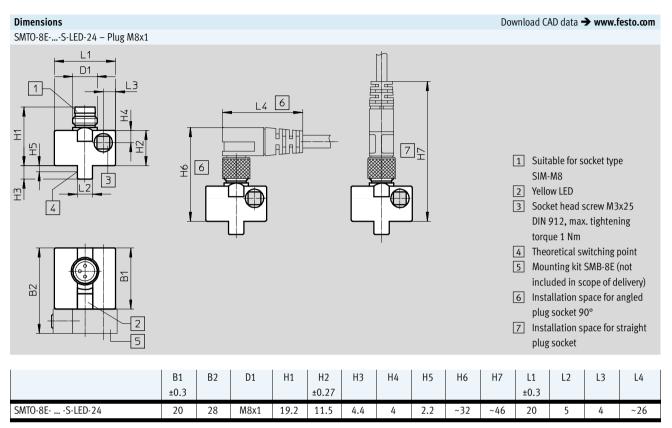
Pin allocation to EN 6	Pin allocation to EN 60947-5-2						
M8x1, 3-pin							
N/O contact							
	Pin	Wire colour	Allocation				
1	1	Brown	+				
1	3	Brown Blue	+				
1++++++++++++++++++++++++++++++++++++++	1 3 4		+ - Output				

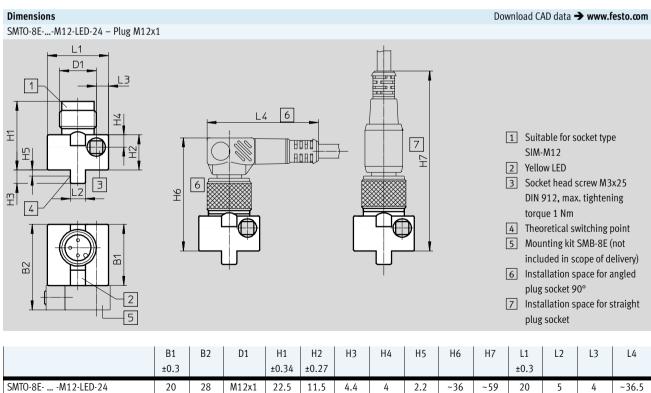
M12x1, 3-pin			
N/O contact			
	Pin	Wire colour	Allocation
1	1	Brown	+
(+) A	3	Blue	-
4	4	Black	Output
3			

Proximity sensors SMTO-8E/SMTSO-8E, for T-slot



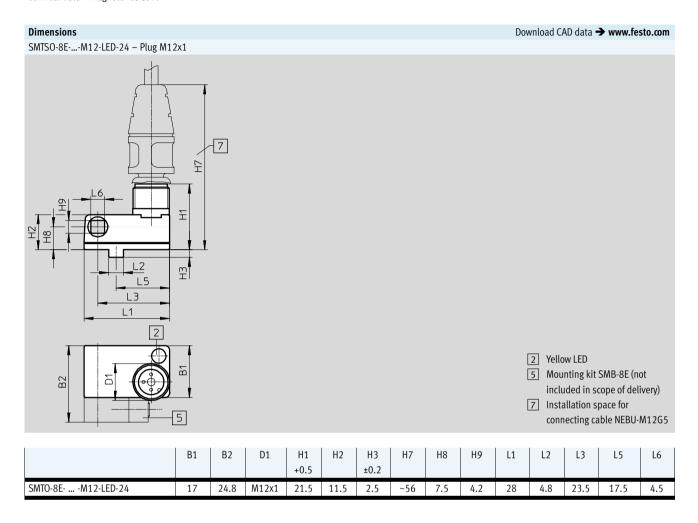
Technical data – Magneto-resistive





Proximity sensors SMTO-8E/SMTSO-8E, for T-slot Technical data – Magneto-resistive





Ordering data					
	Switching output	Electrical connection			Туре
		Plug M8x1	Plug M12x1		
N/O contact, basi	c version				
(A)	PNP	3-pin	-	171178	SMTO-8E-PS-S-LED-24
		-	3-pin	171179	SMTO-8E-PS-M12-LED-24
	NPN	3-pin	-	171166	SMTO-8E-NS-S-LED-24
		-	3-pin	171176	SMTO-8E-NS-M12-LED-24
	•	•		•	
N/O contact, welc	ing field immune				
	PNP	_	3-pin	191986	SMTSO-8E-PS-M12-LED-24
	NPN	-	3-pin	175825	SMTSO-8E-NS-M12-LED-24

Proximity sensors SMTO-8E/SMTSO-8E, for T-slot Technical data – Magneto-resistive

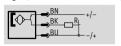


Accessories – Con	Accessories – Connecting cables						
	Switching output	Cable length	Weight	Part No.	Туре		
			. 1				
		[m]	[g]				
Resistant to weldir	ng spatter						
1	3-wire, M12x1 straight socket	3	-	30450	SIM-M12-RS-3GD-3		
	3-wire, M12x1 angled socket	3	-	30451	SIM-M12-RS-3WD-3		

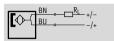
Proximity sensors SMEO-8E, for T-slot Technical data – Magnetic reed

FESTO

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



E.g. N/O contact, 2-wire, with cable



- Magnetic reed measuring principle
- Heat resistant variant



General technical data			
	SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230
Design	For T-slot	For T-slot	For T-slot
Conforms to standard	EN 60947-5-2	-	EN 60947-5-2
Certification	-	-	RCM trademark
CE marking	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	Free of copper and PTFE
	RoHS-compliant	-	_

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp > Certificates.

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					
		SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230	
Measuring principle		Magnetic reed	Magnetic reed	Magnetic reed	
Ambient temperature	[°C]	-40 +60	-40 +120	-20 +60	

Switching output					
		SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230	
Switching output		Contacting, bipolar	Contacting	Contacting, bipolar	
		-	-	Without LED function	
Switching element function		N/O contact	N/O contact	N/O contact	
Reproducibility of switching value	[mm]	±0.1	±0.1	±0.1	
Switch-on time	[ms]	0 0.5	0 0.5	0 2	
Switch-off time	[ms]	0.03	0.03	0.03	
Max. switching frequency	[Hz]	800	500	500	
Max. output current	[mA]	500	500	120	
Max. switching capacity DC	[W]	10	10	10	
Max. switching capacity AC	[VA]	10	10	10	
Voltage drop	[V]	-	0.5	3.9	

Output, additional data	
Protection against short circuit	No
Overload protection	No

Electronic components						
		SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230		
Operating voltage range DC	[V]	12 30	0 30	3 250		
Operating voltage range AC	[V]	12 30	0 30	3 230		
Reverse polarity protection		No	For all electrical connections	No		

Proximity sensors SMEO-8E, for T-slot Technical data – Magnetic reed



Electromechanical components					
Туре		SMEO-8E-S-LED-24	SMEO-8E-M12-LED-24	SMEO-8E-K-24-S6, heat resistant	SMEO-8E-M12-LED-230
Electrical connection		Plug M8x1, 3-pin	Plug M12x1, 3-pin	Cable, 2-wire	Plug M12x1, 3-pin
Connection direction		Lateral	Lateral	Lateral	In-line
Pin contact materials		Nickel-plated brass	Brass	-	-
Cable length	[m]	-	-	2.5	-
Cable sheath materials		-	-	TPE-S	-

Mechanical components					
Туре		SMEO-8E-S-LED-24	SMEO-8E-M12-LED-24	SMEO-8E-K-24-S6, heat	SMEO-8E-M12-LED-230
				resistant	
Type of mounting		Via accessories		Via accessories	Via accessories
Tightening torque	[Nm]	0.5	0.5	0.5	0.5
Housing material information		TPE-U(PU)	TPE-U(PU)	TPE-U(PU)	TPE-U(PU)
		High-alloy stainless steel	High-alloy stainless steel	-	High-alloy stainless steel
		Wrought aluminium alloy	Wrought aluminium alloy		Wrought aluminium alloy
		Nickel-plated brass	-		-

Display/operation					
	SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230		
Switching status indication	Yellow LED	-	Yellow LED		

Immissions/emissions					
		SMEO-8E24	SMEO-8E24-S6, heat resistant	SMEO-8E230	
Ambient temperature with flexible	[°C]	-	-40 +120	-	
cable installation					
Degree of protection		IP65	IP65	IP65	
		IP67	IP67	IP67	
Insulation voltage	[V]	-	50	-	
Surge resistance	[kV]	0.8	_	4	
Degree of contamination		3	3	3	

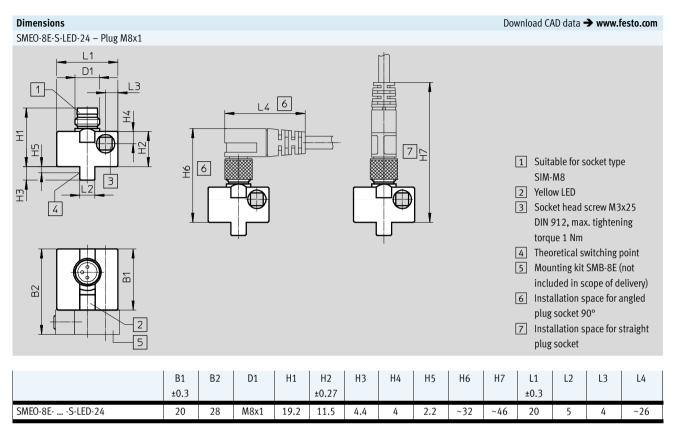
Pin allocation to EN 60947-5-2						
M8x1, 3-pin						
N/O contact	N/O contact					
	Pin Wire colour Allocation					
1	1	Brown	+			
(+) A	3	Blue	_			
4 Black Output						
3						

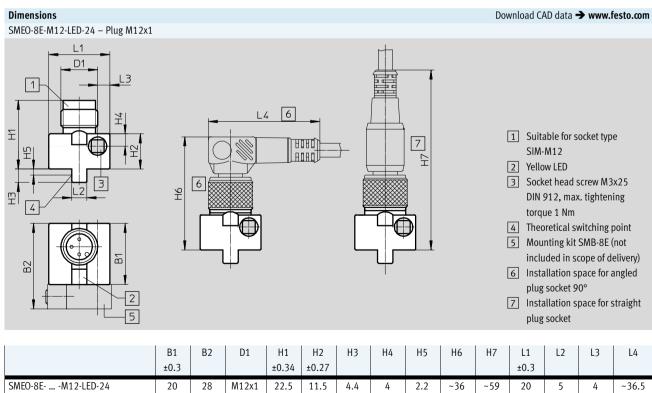
-			
M12x1, 3-pin, 24 V			
N/O contact			
	Pin	Wire colour	Allocation
1	1	Brown	+
(+++) A	3	Blue	_
4	4	Black	Output
3			

Pin allocation to EN 60947-5-2			
M12x1, 3-pin, 230 V			
N/O contact			
	Pin	Wire colour	Allocation
_	4	Black	~ / +
() A	3	Blue	~ / -
4			



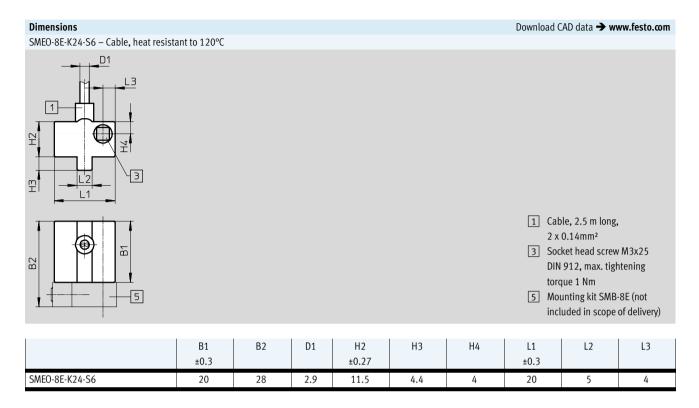
Technical data - Magnetic reed





Proximity sensors SMEO-8E, for T-slot Technical data – Magnetic reed





Ordering data								
	Switching output	Electrical conn	nection		Cable length	Product	Part No.	Туре
		Cable	Plug M8x1	Plug M12x1	[m]	weight [g]		
N/O contact, basic	version							
	Contacting, bipolar	_	3-pin	_		10	171163	SMEO-8E-S-LED-24
			-	3-pin		9	171164	SMEO-8E-M12-LED-24
N/O contact, heat	resistant							
	Contacting, bipolar		2-wire	-	2.5	40	171158	SMEO-8E-K-24-S6
N/O contact, opera	ating voltage range	3 250 V AC/D	C					
	Contacting, bipolar		_	3-pin	_	9	171160	SMEO-8E-M12-LED-230

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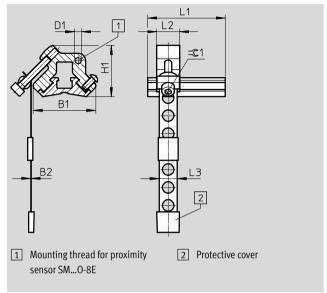
Accessories

RoHS-compliant

Mounting kit SMBR-8-8/100-S6

Material: Rail: Anodised wrought aluminium alloy Clamping strap, screws: High-alloy stainless steel Free of copper and PTFE





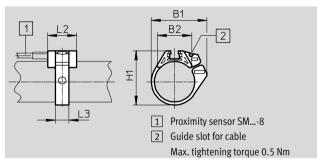
Dimensions and ordering data												
For piston ∅	B1	B2	D1	H1	L1	L2	L3	= ©1	CRC ¹⁾	Part No.	Туре	
8 100	27.4	0.2	M3	22.4	34	10	7.9	2.5	4	★ 538937	SMBR-8-8/100-S6	

¹⁾ Corrosion resistance class 4 to Festo standard 940 070 Components subject to high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Mounting kit SMBR

Material: Polyacetal RoHS-compliant





Dimensions and ord	lering data						
For piston \varnothing	B1	B2	H1	L2	L3	Part No.	Туре
8	18.9	12.3	18.4	19	7	175091	SMBR-8-8
10	20.4	13.8	20.4	19	7	175092	SMBR-8-10
12	22.7	14.3	21.9	19	7	175093	SMBR-8-12
16	28.2	16.9	25.7	19	8	175094	SMBR-8-16
20	34.5	20.8	30.4	19	9	★ 175095	SMBR-8-20
25	36.7	22.7	35.6	19	9	★ 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

Festo core product range

- ★ Generally ready for shipping ex works in 24 hours
- ☆ Generally ready for shipping ex works in 5 days

FESTO

Mounting kit CRSMB

Design: For round cylinders Type of mounting: Bonded using enclosed adhesive tape

Degree of protection: IP65, IP68,

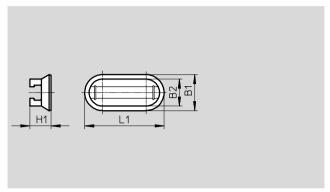
IP69K

Ambient temperature: -40 ... +90 °C

Material:

Housing: Polyurethane Rail: Hard anodised aluminium Free of copper and PTFE





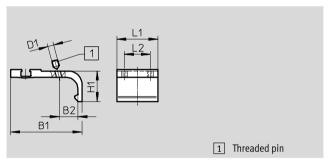
Ordering data											
For piston	B1	B2	H1	L1	CRC ¹⁾	Part No.	Туре				
Ø											
32 100	15.8	11.8	9.3	35	4	525565	CRSMB-8-32/100				

¹⁾ Corrosion resistance class 4 to Festo standard 940 070 Components subject to high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Mounting kit SMB-8-FENG

Material: Wrought aluminium alloy Free of copper and PTFE





Dimensions	Dimensions and ordering data													
For piston Ø	B1	B2	D1	H1	L1	L2	Tightening torque [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					

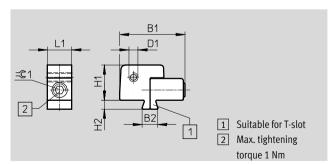
Mounting kit SMB-8E

Material:

Anodised aluminium, stainless steel

Note on materials: RoHS-compliant





Ordering data												
For piston Ø	B1	B2	D1	H1	H2	L1	=©1	Part No.	Туре			
10 125	21.5	5.1	M3	11.5	3	8	2.5	178230	SMB-8E			

FESTO

Accessories

Mounting kit SMB-8-C

Temperature: -40 ... 120°C

Material:

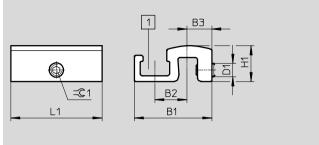
Retainer: Anodised wrought

aluminium alloy

Screws: High-alloy stainless steel

Free of copper and PTFE, RoHS-compliant





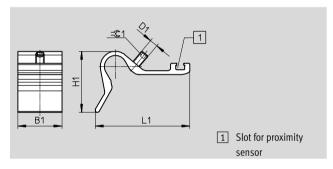
Dimensions and orde	Dimensions and ordering data											
Туре	B1	B2	В3	D1	H1	L1	=©1	Tightening torque	CRC ¹⁾	Weight	Part No.	Туре
								[Nm]		[g]		
SMB-8-C	17	7	5.5	M3	7.8	20	1.5	0.2 0.6	3	3.5	1806790	SMB-8-C

¹⁾ Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.

Sensor bracket DASP-M4-...-A

Material: Anodised wrought aluminium alloy Screws: High-alloy stainless steel RoHS-compliant





Dimensions and orde	ring data									
Туре	B1	D1	H1	L1	=©1	Tightening torque [Nm]	CRC ¹⁾	Weight [g]	Part No.	Туре
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

¹⁾ Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.



Accessorie

Mounting SMBZ-8-...

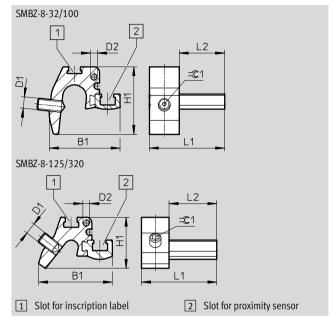
Material:

Rail: Anodised wrought aluminium

alloy

Screws: high-alloy stainless steel Free of copper and PTFE RoHS-compliant





Dimensions and ordering data											
For piston \varnothing	B1	D1	D2	H1	L1	L2	=©1	Part No.	Туре		
32 100	31	M5	M3	30	22	20	1.5	537806	SMBZ-8-32/100		
125 320	32.3	IVID	INIO	22))	20	2.5	537808	SMBZ-8-125/320		

Position marker SMM

Insertable in the slot lengthwise

Ambient temperature -40 ... +120 °C

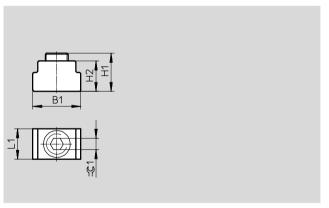
Material:

Housing: anodised wrought

aluminium alloy

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





Dimensions and or	Dimensions and ordering data												
B1	H1	H2	L1	= ©1	CRC ¹⁾	Part No.	Type	PU ²⁾					
6.3	5.0	4.0	4.0	1.5	3	547941	SMM-8	10					

¹⁾ Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.

²⁾ Packaging unit

Proximity sensors SMT/SME-8, for T-slotAccessories



Ordering da	ta – Connecting cables				Technical data → Internet: nebu, sim
		Number of wires	Cable length [m]	Part No.	Туре
Socket M8x	1, 3-pin				
	For SMT/SME-8 and SMTO/SMTSO/SMEO-8E	3	2.5	★ 541333	NEBU-M8G3-K-2.5-LE3
			5	★ 541334	NEBU-M8G3-K-5-LE3
F	For SMT/SME-8 and SMTO/SMTSO/SMEO-8E	3	2.5	★ 541338	NEBU-M8W3-K-2.5-LE3
			5	★ 541341	NEBU-M8W3-K-5-LE3
Socket M12	x1, 5-pin				
	For SMT/SME-8M and SMTO/SMTSO/SMEO-8E	3	2.5	★ 541363	NEBU-M12G5-K-2.5-LE3
6 1			5	★ 541364	NEBU-M12G5-K-5-LE3
	For SMT/SME-8M and SMTO/SMTSO/SMEO-8E	3	2.5	541367	NEBU-M12W5-K-2.5-LE3
%			5	541370	NEBU-M12W5-K-5-LE3
Socket M12	x1, resistant to welding spatter				
1	For SDBT and SMTSO	3	3	30450	SIM-M12-RS-3GD-3
	For SDBT and SMTSO	3	3	30451	SIM-M12-RS-3WD-3

Ordering data – Safety clips for ATEX zone					
	Size	Description	Part No.	Туре	PU ¹⁾
	M8	 Protects "equipment that is not intrinsically safe" in zones 2 and 22 against simple disconnection 	548067	NEAU-M8-GD	1
	M12	ATEX category: gas: II 3G / dust: II 3D	548068	NEAU-M12-GD	1

1) Packaging unit

Ordering data – Mounting components				
	Description	Part No.	Туре	
	For locating connecting cables	534254	SMBK-8	

Ordering da	ta – Sensor tester		
	Description	Part No.	Туре
o o o o	 Testing operation of proximity sensors using the integrated voltage supply Adjustment of proximity sensors on the cylinder 	158481	SM-TEST-1

Ordering data – Inscription labels				
	Size	Part No.	Туре	PU ¹⁾
	23x4 mm	541598	ASLR-L-423	34

1) Packaging unit

Festo core product range

★ Generally ready for shipping ex works in 24 hours

☆ Generally ready for shipping ex works in 5 days