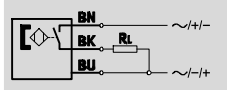


Proximity sensors SME-10, for C-slot

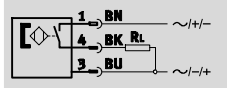
Technical data – Magnetic reed

Function

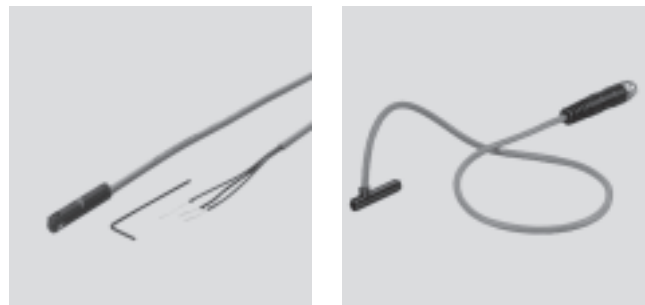
NO contact, 3-wire, with cable



N/O contact, 3-wire, with plug



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



General technical data	
Design	For C-slot
Based on standard	EN 60947-5-2
CE mark (see declaration of conformity)	To EU EMC Directive
Note on materials	Free of copper and PTFE

Input signal/measuring element	
Measuring principle	Magnetic reed
Ambient temperature [°C]	-20 ... +70

Switching output	
Switching output	Contacting, bipolar
Switching element function	N/O contact
Reproducibility of switching value [mm]	±0.1
Switch-on time [ms]	≤0.6
Switch-off time [ms]	≤0.05
Max. output current [mA]	100
Max. switching frequency [Hz]	500
Max. switching capacity DC [W]	1
Voltage drop [V]	0

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

Electronic components	
Operating voltage range DC [V]	12 ... 27
Operating voltage range AC [V]	12 ... 27
Reverse polarity protection	No

Electromechanical components		
Type	SME-10-...-K...-...	SME-10-...-S...-...
Electrical connection	Cable, 3-wire	Cable with plug M8x1, 3-pin
Connection direction	In-line, lateral	In-line, lateral
Cable length [m]	2.5	0.3
Information on cable sheath materials	TPE-U (PUR)	

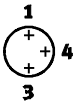
Proximity sensors SME-10, for C-slot

Technical data – Magnetic reed

Mechanical components		
Type	SME-10-...-K...-...	SME-10-...-S...-...
Type of mounting	Clamped in C-slot, insertable in the slot lengthwise	
Tightening torque	[Nm]	0.18
Information on housing materials	PPS, high-alloy stainless steel	PPS, TPE-U(PU), high-alloy stainless steel, nickel-plated brass

Display/operation	
Switching status display	Yellow LED

Immissions/emissions		
Ambient temperature with flexible cable installation	[°C]	-5 ... +70
Protection class		IP65
		IP67
Insulation voltage	[V]	50
Surge capacity	[kV]	0.8
Degree of contamination		3

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

Proximity sensors SME-10, for C-slot

Technical data – Magnetic reed

Dimensions Download CAD data → www.festo.com

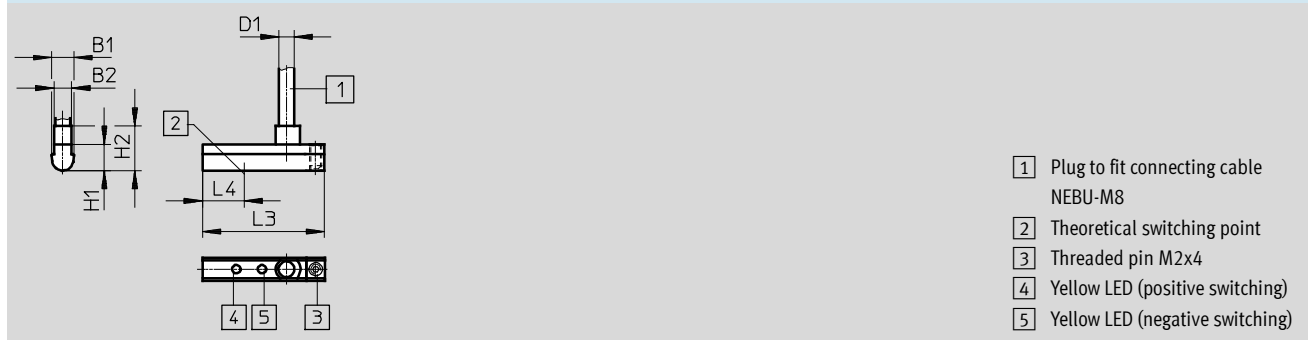
Cable, in-line connection



Type	B1	B2	D1	H1	L3	L4
SME-10-KL-LED-24	3.7	2.9	2.4 ∅	4.3	+0.4 22	11

Dimensions Download CAD data → www.festo.com

Cable, lateral connection



Type	B1	B2	D1	H1	H2	L3	L4
SME-10-KQ-LED-24	3.7	2.9	2.4 ∅	4.3	7.3	+0.4 20	6.8

Proximity sensors SME-10, for C-slot

Technical data – Magnetic reed



Dimensions Download CAD data → www.festo.com

Cable, in-line connection

- 1 Plug to fit connecting cable NEBU-M8
- 2 Theoretical switching point
- 3 Threaded pin M2x4
- 4 Yellow LED (positive switching)
- 5 Yellow LED (negative switching)

Type	B1	B2	D1	D2	H1	L1	L2	L3	L4
SME-10-SL-LED-24	3.7	2.9	2.4	M8	4.3	310	±1	+0.4	11

Dimensions Download CAD data → www.festo.com

Plug M8x1, lateral connection

- 1 Plug to fit connecting cable NEBU-M8
- 2 Theoretical switching point
- 3 Threaded pin M2x4
- 4 Yellow LED (positive switching)
- 5 Yellow LED (negative switching)

Type	B1	B2	D2	H1	H2	L1	L2	L3	L4
SME-10-SQ-LED-24	3.7	2.9	M8	4.3	7.3	-10 ... 30	±1	+0.4	6.8

Ordering data

	Switching output	Electrical connection		Cable length [m]	Part No.	Type
		Cable	Cable with plug, M8x1			
In-line connection						
	N/O contact					
	Contacting, bipolar	3-wire	-	2.5	173210	SME-10-KL-LED-24
-		3-pin	0.3	173212	SME-10-SL-LED-24	
Lateral connection						
	N/O contact					
	Contacting, bipolar	3-wire	-	2.5	173211	SME-10-KQ-LED-24
		-	3-pin	0.3	173213	SME-10-SQ-LED-24