

Proximity sensors SME-8M, for T-slot

Technical data – Magnetic reed

FESTO

Sensors
Sensors for drive units

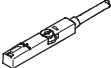
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Technical data				
Type of mounting	Screwed in slot, insertable from above, flush with cylinder profile			
Electrical connection	Cable, 3-wire	Cable with plug, turnable		Cable, 2-wire
		M5x0.5, 3-pin	M8 x 1, 3-pin	
Cable length	[m]	0.2 ... 10		
Cable attribute ¹⁾	Standard			
	Suitable for drag chain			
	Suitable for robots			
Test conditions for standard cables	Drag chain: 5 million cycles, bending radius 75 mm			
	Resistance to bending: To Festo standard; test conditions on request			
Test conditions for suitability for drag chain	Drag chain: 5 million cycles, bending radius 28 mm			
	Resistance to bending: To Festo standard; test conditions on request			
Test conditions for suitability for robots	Drag chain: 5 million cycles, bending radius 28 mm			
	Torsional strength: > 300,000 cycles, ±270°/0.1 m			
	Resistance to bending: To Festo standard; test conditions on request			
Operating voltage range DC	[V]	5 ... 30		
Operating voltage range AC	[V]	5 ... 30		
Max. output current	[mA]	500		80
Max. output current in mounting kits	[mA]	80		
Max. switching capacity DC	[W]	10.0		2.4
Max. switching capacity AC	[VA]	10.0		2.4
Max. switching capacity DC in mounting kits	[W]	2.4		
Max. switching capacity AC in mounting kits	[VA]	2.4		
Protection against short circuit	No			
Protection against overloading	Not available			
Protection against polarity reversal	No			
Protection class	IP65, IP68			

1) If the relevant option is selected → Modular products18

Operating and environmental conditions		
Ambient temperature [°C]	−20 ... +70	
Ambient temperature with flexible cable installation [°C]	−5 ... +70	
CE mark (see declaration of conformity)	In accordance with EU EMC directive	
Certification	c UL us - Listed (OL) C-Tick	

Materials	
Housing	Polyamide; polyurethane; high-alloy stainless steel
Cable sheath	Polyurethane

Ordering data							
	Switch output	Electrical connection			Cable length	Part No.	Type
		Cable	Cable with plug, turnable				
			M5x0.5	M8x1			
					[m]		
	N/O contact						
	Contacting, bipolar	3-wire	–	–	2.5	543 862	SME-8M-DS-24V-K-2,5-OE
					5.0	543 863	SME-8M-DS-24V-K-5,0-OE
					7.5	543 876	SME-8M-DS-24V-K-7,5-OE
		–	3-pin	–	0.3	543 864	SME-8M-DS-24V-K-0,3-M5D
		–	–	3-pin		543 861	SME-8M-DS-24V-K-0,3-M8D
		2-wire	–	–	2.5	543 872	SME-8M-ZS-24V-K-2,5-OE

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Modular products – Magnetic reed

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Mandatory data

Module No.	Function	Switch output	Nominal operating voltage	Cable attribute	Cable length	Connection technology
543 892	SME-8M	DS ZS	24V	K E R	0.2 ... 10	OE M8D M8 M12
Order example						
543 892	SME-8M	– ZS	– 24V	– K	– 0.8	– OE

Ordering table					
Size	8	Condi- tions	Code	Enter code	
M Module No.	543 892				
Function	Proximity sensor for T-slot, contacting		SME-8M		SME-8M
			–		–
Switch output	3-wire N/O contact		DS		
	2-wire N/O contact		ZS		
			–		–
Nominal operating voltage [V DC]	24		24V		24V
			–		–
Cable attribute	Standard		K		
	Suitable for drag chain		E		
	Suitable for robots		R		
			–		–
Cable length [m]	0.2 ... 10 (0.2 ... 2.5 m in 0.1 m steps, 2.5 ... 10 m in 0.5 m steps)		...		
			–		–
Connection technology	Open end		OE		
	M8, turnable		M8D		
	M8, snap flange		M8		
	M12, turnable		M12		

Transfer order code

543 892	SME-8M	–		–	24V	–		–		–	
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