








Superior Clamping and Gripping



SCHUNK Sensors

Product Overview

	Monitoring of one position				Monitoring of several positions	
	1 digital switching point				2 digital switching points	
	MMS 22	MMS-PI 1	IN	RMS	MMS-PI 2	
	 9		 2	 8 15		
Environmental conditions						
Clean	●	●	●	●	●	
Slightly dirty	●	●	●	●	●	
Highly contaminated	●			●		
Technical data						
Number of sizes	1	1	6	2	1	
Principle of function	Magnetic	Magnetic	Inductive	Reed	Magnetic	
Max. IP protection	67	67	67	67	67	
Supply voltage [V DC]	24	24	24	24	24	
Max. switching current [mA]	50	50	100 .. 200	400	25	
PNP version	●	●	●	●	●	
NPN version	●	●	●	●	●	
LED Display	●	●		●	●	
Min./max. ambient temperature [C°]	-10 .. 70	-10 .. 70	-25 .. 70	-5 .. 70	-10 .. 70	
Closer	●	●	●	●	●	
Opener			●			
Connection type						
Number of wires	3	3	3	3	4	
Cable version	●	●	●		●	
Connector M8 version	●	●	●	●	●	
Connector M12 version			●			

● = well suited/fully supported ◐ = suitable in special version (on request) ○ = of limited suitability

Magnetic Switch MMS – IO-Link

A magnetic switch is used for monitoring the status of automation components. They detect the magnets fixed inside the component without contact. In addition to further process data, the sensor outputs the process of the magnetic field via the IO-Link interface.









schunk.com/mms-iol



Your benefits:

- **Control via IO-Link** for evaluation of data
- **Integrated electronics lead to a more compact design** and allows use of cable with standard plug connectors
- **Suitable for confined installation spaces** due to teaching via IO-Link interface
- **Version with LED display** is used to indicate the status of the IO-Link connection
- **C-slot sensor** for space-saving, easy and fast assembly on the product

		Monitoring of the overall stroke			
2 digital switching points	5 digital switching points	IO-Link signal	Analog signal		
MMS-P	FPS	MMS 22 IO-Link	APS-M1	APS-Z80	MMS-A
					
	5		7	6	14
•	•	•	•	•	•
•	•	•	•	•	•
1	3	1	1	1	1
Magnetic	Magnetic	Magnetic	Magnetic	Inductive	Magnetic
67	67	67	67	67	67
24	24	24	24	24	24
100	200	25			
•	•	•			•
•		•			
•		•			
5 .. 55	-25 .. 70	5 .. 55	0 .. 60	-10 .. 70	5 .. 55
•	•	•			
4	7	3	4	3	3
•	•		•	•	•
•		•		•	•
		•			•

Inductive Proximity Switch IN

Reliable. Non-contact. Easy assembly.

Inductive proximity switches are used to monitor the current status of automation components. They are offered by SCHUNK in versions IN (sensor with 30 cm long cable and plug connector) or INK (sensor with 2 m long supply cable and open wires for wiring).



[schunk.com/in](https://www.schunk.com/in)

Your benefits:

- **Fastening via bracket** for simple and fast assembly
- **Version with LED display** for control of the switching condition directly on the sensor
- **Version with plug connector** for simple and fast exchangeability of the extension cable
- **Very flexible cable in PUR version** for a long service life and resistance to many chemicals
- **Proximity switch for flush mounting** for minimal interfering contours in the application



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