

Magnetic sensor for C-slots with multiple switchpoints

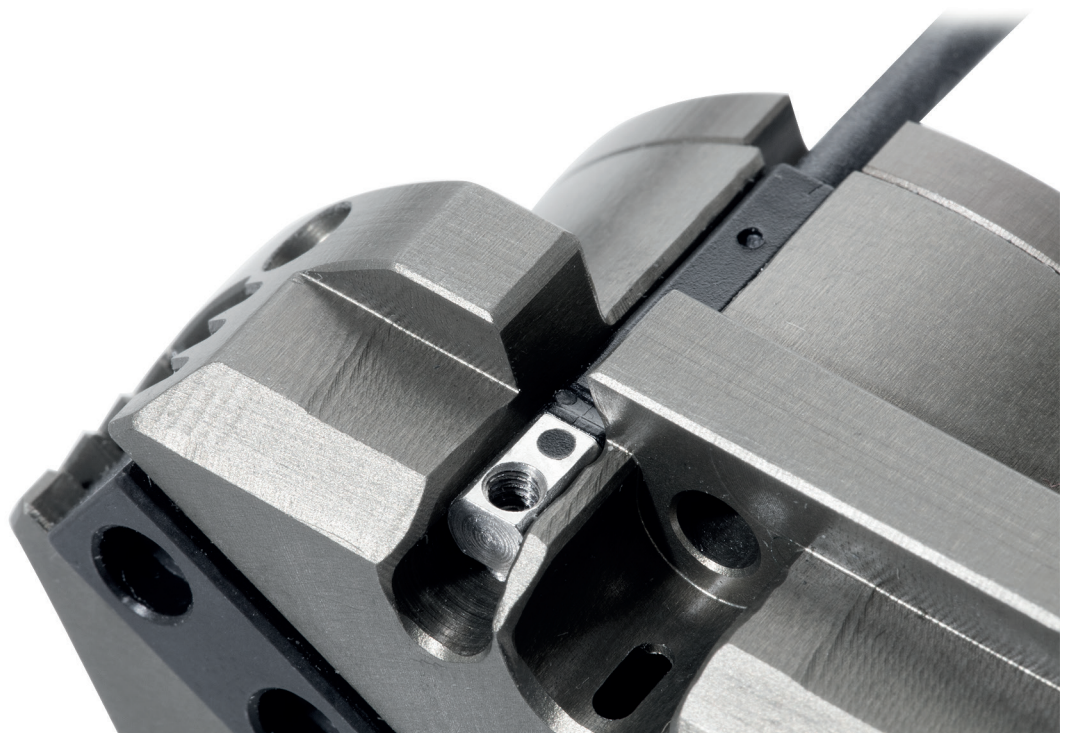
**60 mm detection area with two teachable outputs.
Up to eight switchpoints with IO-Link.**

- 10 mm more traverse distance than other magnetic sensors
- Sensor head length 20mm, with remote electronics
- PNP/NPN NO/NC; IO-Link PNP NO
- Pigtail M12, M8 and 2 m cable
- Temperature range -25 to +80 °C



For cylinders and grippers a teachable magnetic sensor with two switch points replaces two standard sensors. For longer cylinders the additional switch point can be used for example for reducing the air pressure before the end of stroke position of the cylinder. IO-Link offers up to eight switchpoints and along with individual hysteresis settings.

With a detection area of 60 mm, the sensor is ideally located in the middle of the cylinder offering the closest possible switchpoints. The teachable magnetic sensor for C-slots offers 10 mm more detection area vs standard offerings.





Product group		Magnetic field sensor		Magnetic field sensor		Magnetic field sensor	
Measurement range		-30...+30 mm		-30...+30 mm		-30...+30 mm	
Area of application		Pneumatic cylinder and gripper with C-slot. For dimensions see drawing in datasheet		Pneumatic cylinder and gripper with C-slot. For dimensions see drawing in datasheet		Pneumatic cylinder and gripper with C-slot. For dimensions see drawing in datasheet	
Normally open (NO), IO-Link	PNP	Order code	BMF00K8	BMF00K9	BMF00JJ		
		Part number	BMF 203K-H-PI-C-A8-PU-02	BMF 203K-H-PI-C-A8-S75-00,3	BMF 203K-H-PI-C-A8-S4-00,3		
Normally open (NO)	NPN	Order code	BMF00JF	BMF00JH			
		Part number	BMF 203K-H-PS-C-A2-PU-02	BMF 203K-H-PS-C-A2-S75-00,3			
Normally closed (NC)	PNP	Order code	BMF00K2	BMF00K3			
		Part number	BMF 203K-H-NS-C-A2-PU-02	BMF 203K-H-NS-C-A2-S75-00,3			
Normally closed (NC)	NPN	Order code	BMF00K4	BMF00K5			
		Part number	BMF 203K-H-PO-C-A2-PU-02	BMF 203K-H-PO-C-A2-S75-00,3			
		Order code	BMF00K0	BMF00K1			
		Part number	BMF 203K-H-NO-C-A2-PU-02	BMF 203K-H-NO-C-A2-S75-00,3			
Connection type		Cable		Cable with connector		Cable with connector	
Connector type		-		M08x1-S75		M12x1-S04	
Cable length		2.00 m		0.30 m		0.30 m	
Housing material		PA 12		PA 12		PA 12	
Supply voltage		10.0...30.0 V		10.0...30.0 V		10.0...30.0 V	
Enclosure Type per IEC 60529		IP67		IP67		IP67	
Ambient temperature		-25...80 °C		-25...80 °C		-25...80 °C	
Repeatability max.		0.2 mm		0.2 mm		0.2 mm	

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Accessories



Description	Network interface	Network interface		
Order code	BNI006A	BNI0073		
Part number	BNI EIP-508-105-Z015	BNI USB-901-013-A501		



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