

# Magnetic sensor for C-slots with multiple switchpoints

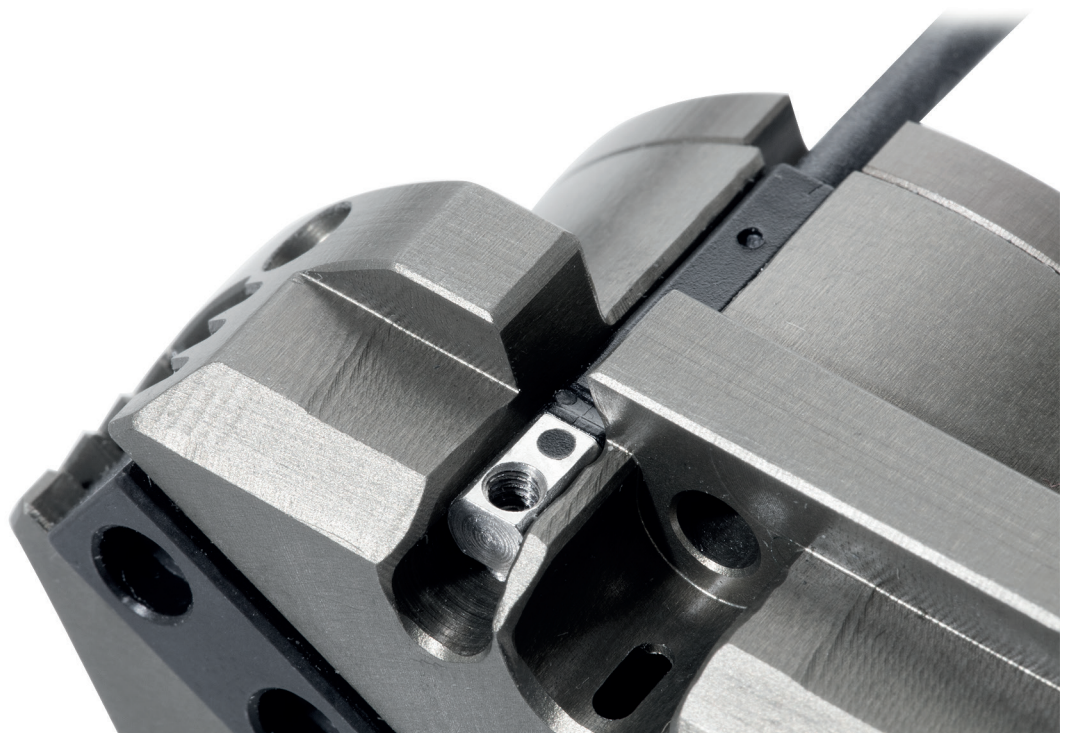
**60 mm detection area with two teachable outputs.  
Up to eight switchpoints with IO-Link.**

- 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.





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

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## Accessories



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



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