

## Магнитно-индуктивни сензори

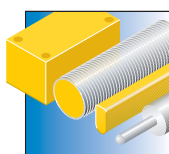


Magnetic-inductive sensors are typically applied in pig trap systems or used for gate monitoring. Since magnetic-inductive sensors are actuated by external magnetic fields, even the smaller types can operate at a large switching distance. When using the actuating magnet DMR31155, the M12 sensors attain a rated switching distance of 90 mm.

### Features

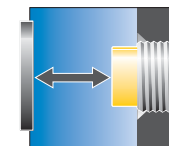
- Extremely long ranges
- Detection through non-magnetizable materials
- ATEX and SIL approved versions
- Rugged threaded barrels
- Broad selection of actuators

### Properties



#### Design

Threaded barrels  
M8 x 1 or M12 x 1



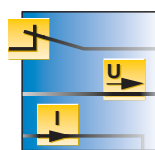
#### Switching distances

M8 sensors up to 78 mm and M12 sensors up to 90 mm, depending on the actuating magnet



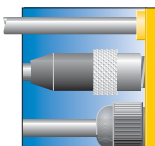
#### Materials

Robust threaded barrels, chrome-plated brass or stainless steel



#### Electrical versions

NAMUR, 2 or 3-wire DC



#### Electrical connections

2 m connection cable or M12 x 1 plug connection

## M8 – NAMUR





### General data

<b>Switching distance</b>	78 mm	<b>Operating voltage</b>	nom. 8.2 VDC
<b>Output</b>	NAMUR	<b>Material housing</b>	V2A (1.4301)

More information on actuating magnets in chapter „Accessories“.

Nominal switching distance 78 mm with magnet DMR31-15-5

### Types and data – selection table

Type	Dimensions	Electrical connection	Material cable		
BIM-EG08-Y1X-H1341	Ø8 x 57 mm	connector, M12 x 1	-	w021	d323
BIM-EG08-Y1X	Ø8 x 41.6 mm	cable	PVC 2 m	w019	d026

## M8 – 3-wire DC



### General data

<b>Switching distance</b>	78 mm	<b>Material housing</b>	V2A (1.4301)
<b>Operating voltage</b>	10...30 VDC		

More information on actuating magnets in chapter „Accessories“.

Nominal switching distance 78 mm with magnet DMR31-15-5

**Types and data – selection table**

Type	Dimensions	Output	Electrical connection	Material cable	w	d
BIM-EG08-AP6X-V1131	Ø8 x 49 mm	—, PNP	connector, M8 x 1	-	w001	d022
BIM-EG08-AP6X-H1341	Ø8 x 57 mm	—, PNP	connector, M12 x 1	-	w001	d323
BIM-EG08-AP6X	Ø8 x 41.6 mm	—, PNP	cable	PUR 2 m	w059	d026
BIM-EG08-AN6X-H1341	Ø8 x 57 mm	—, NPN	connector, M12 x 1	-	w002	d323
BIM-EG08-AN6X	Ø8 x 41.6 mm	—, NPN	cable	PUR 2 m	w005	d026

**M12 – NAMUR**



**General data**

**Switching distance**

90 mm

**Operating voltage**

nom. 8.2 VDC

**Output**

NAMUR

More information on actuating magnets in chapter „Accessories“.

Nominal switching distance 90 mm with magnet DMR31-15-5

**Types and data – selection table**

Type	Dimensions	Electrical connection	Material housing	Material cable	w	d
BIM-M12E-Y1X-H1141	Ø12 x 62 mm	connector, M12 x 1	CuZn-Cr	-	w021	d151
BIM-EM12E-Y1X	Ø12 x 64 mm	cable	V2A (1.4301)	PVC 2 m	w019	d030

## M12 – 3-wire DC



### General data

**Switching distance** 90 mm      **Operating voltage** 10...65 VDC

More information on actuating magnets in chapter „Accessories“.

Nominal switching distance 90 mm with magnet DMR31-15-5

### Types and data – selection table

Type	Dimensions	Output	Electrical connection	Material housing	Material cable	w	d
BIM-M12E-AN4X-H1141	Ø12 x 62 mm	—, NPN	connector, M12 x 1	CuZn-Cr	-	w002	d151
BIM-M12E-AN4X	Ø12 x 64 mm	—, NPN	cable	CuZn-Cr	PUR 2 m	w005	d030
BIM-EM12E-AP4X-H1141	Ø12 x 62 mm	—, PNP	connector, M12 x 1	V2A (1.4301)	-	w001	d151
BIM-EM12E-AP4X	Ø12 x 64 mm	—, PNP	cable	V2A (1.4301)	PVC 2 m	w004	d030