



# Rectangular inductive sensors for easy mounting.



## Sensors for use in conveying.

- Corner LEDs clearly visible in any mounted position.**
- Very long sensing ranges up to 40 mm.**
- Integrated clamp.**
- Freely selectable sensing face with 5 positions.**
- Versions in 3-wire and 4-wire technology.**



**Increased sensing range**

**K=1 same sensing range for all metals**

**IP 67**

### Applications

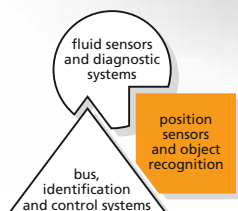
The new inductive rectangular type IMC (40 x 40 mm) is specially suited for use in conveying. Now, there are also electromagnetic field immune and Teflon-coated units for welding applications.

### Versions

The various versions of the IMC design are available in 3-wire or 4-wire technology, with correction factor 1 or specially for welding areas.

### Installation



By loosening the adjusting screw, the sensing face can be rotated to 5 different positions and thus be optimally adapted to your applications. The two clearly visible corner LEDs allow the switching status and operating status to be seen even under adverse installation conditions.







**Applications:**  
Conveying, machine tools and factory automation

Design [mm]	Sensing range [mm]	Material	Protection rating	f [Hz]	I <sub>load</sub> [mA]	LEDs	I <sub>o</sub> [mA]	Order no.
<b>M12 connector / output function NO / 3-wire DC PNP</b>								
40 x 40 x 66	20 f	PA	IP 67	100	200	front	< 20	IM5115
40 x 40 x 66	35 nf	PA	IP 67	80	200	front	< 20	IM5116
40 x 40 x 66	40 nf	PA	IP 67	60	200	front	< 20	IM5117
<b>M12 connector / output function complementary / 4-wire DC PNP</b>								
40 x 40 x 66	20 f	PA	IP 67	100	200	front	< 20	IM5123
40 x 40 x 66	35 nf	PA	IP 67	80	200	front	< 20	IM5134
40 x 40 x 66	40 nf	PA	IP 67	60	200	front	< 20	IM5136
<b>M12 connector / output function NO / 3-wire DC PNP / K = 1</b>								
40 x 40 x 66	20 f	PA	IP 67	200	200	front	< 20	IM5128
40 x 40 x 66	35 nf	PA	IP 67	200	200	front	< 20	IM5130
40 x 40 x 66	40 nf	PA	IP 67	200	200	front	< 20	IM5131
<b>M12 connector / output function complementary / 4-wire DC PNP / K = 1</b>								
40 x 40 x 66	20 f	PA	IP 67	200	200	front	< 20	IM5132
40 x 40 x 66	35 nf	PA	IP 67	200	200	front	< 20	IM5133
40 x 40 x 66	40 nf	PA	IP 67	200	200	front	< 20	IM5135
<b>M12 connector / output function NO / 3-wire DC PNP / K = 1 / electromagnetic field immune</b>								
40 x 40 x 66	20 f	PA, Teflon	IP 67	200	200	rear	< 20	IM5119
40 x 40 x 66	35 nf	PA, Teflon	IP 67	200	200	rear	< 20	IM5120
40 x 40 x 66	40 nb	PA, Teflon	IP 67	200	200	rear	< 20	IM5129
<b>M12 connector / output function complementary / 4-wire DC PNP / K = 1 / electromagnetic field immune</b>								
40 x 40 x 66	20 f	PA, Teflon	IP 67	200	200	rear	< 20	IM5124
40 x 40 x 66	35 nf	PA, Teflon	IP 67	200	200	rear	< 20	IM5125
40 x 40 x 66	40 nf	PA, Teflon	IP 67	200	200	rear	< 20	IM5126
<b>M12 connector / AS-i</b>								
40 x 40 x 66	15 f	PA	IP 67	100	-	front	< 35	IM5118

**Accessories**

Type	Description	Order no.
	Mounting set, angled for clamp mounting, high-grade stainless steel	E11119
	Mounting set, straight for clamp mounting, high-grade stainless steel	E11120

**Connectors and splitter boxes**

Type	Description	Order no.
	M12 socket, 2 m black, PUR cable	EVC001
	M12 socket, 5 m black, PUR cable	EVC002
	M12 socket, 2 m black, PUR cable	EVC004
	M12 socket, 5 m black, PUR cable	EVC005

Common technical data		
Operating voltage	[V]	10...36 DC
Operating temperature	[°C]	-25...70
Short-circuit protection		•
Rev. polarity / overload protection		• / •
Voltage drop	[V]	< 2.5
Function display		yellow
Switching status		green
Operating status		
Housing length	[mm]	54
Approvals		CE, cULus

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Position sensors and object recognition