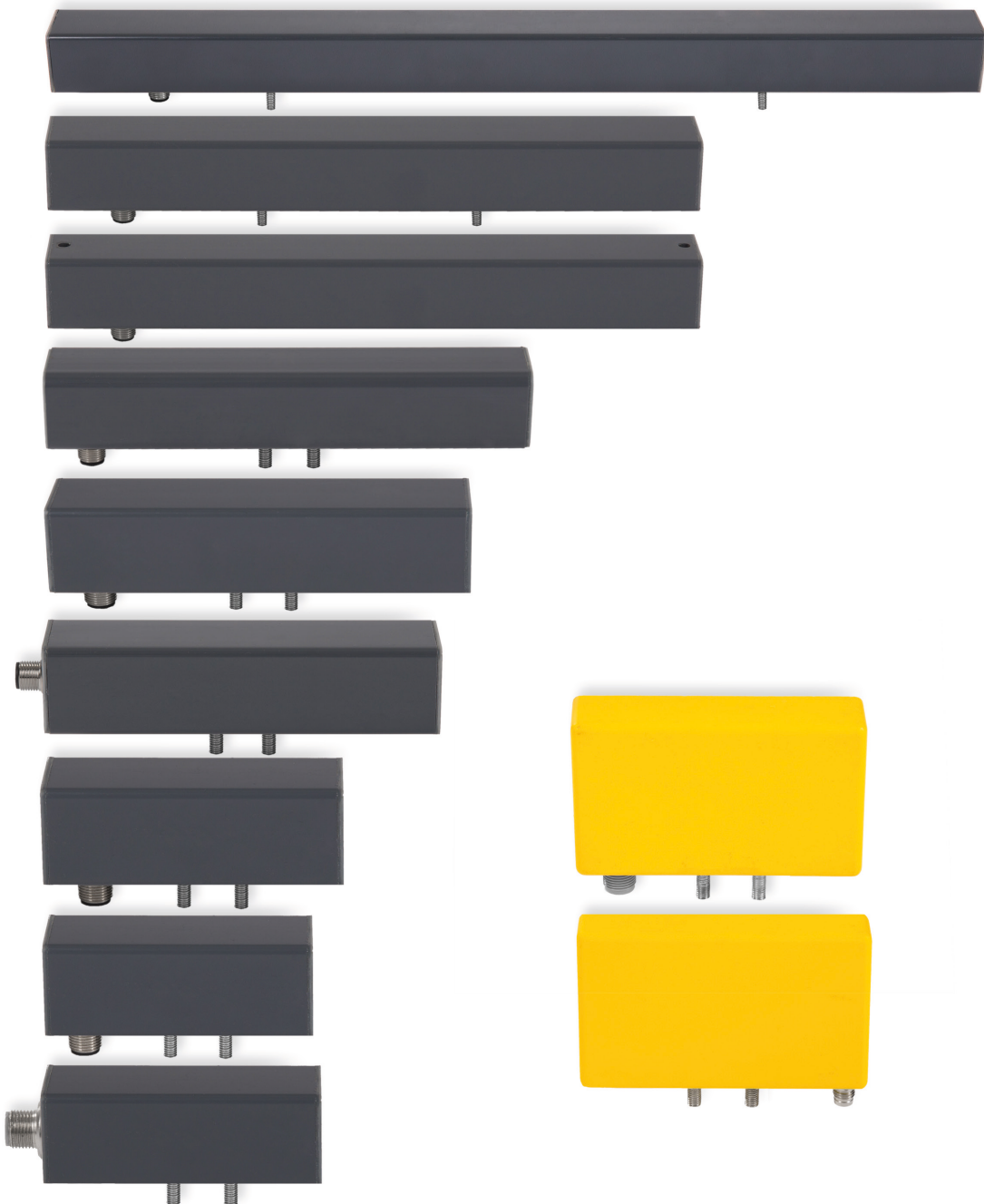

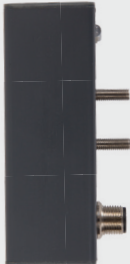






Inductive Sensor-Strips
80 - 500 mm
Sensor Length



Monitoring of conveyor belts and can lines




AC - DC - PNP - NPN - n.c. - n.o. - Teach-in - Jam - Velocity - Direction

Length [mm]	80	100	150	
Sensing distance Sn [mm]	30	30	30	
Measuring plate [mm]	80 x 50	100 x 50	150 x 50	
				
Dimension [mm]	80 x 35 x 35	100 x 35 x 35	150 x 35 x 35	
Housing material	PVC	PVC	PVC	
Protection class	IP 67	IP 67	IP 67	
Type	IKU 008	IKU 011	IKU 015	
L - Version**	yes	yes	yes	
Remarks				


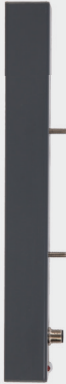

Length [mm]	200	300	500	
Sensing distance Sn [mm]	30	30	30	
Measuring plate [mm]	200 x 50	300 x 50	500 x 50	
				
Dimension [mm]	200 x 35 x 35	300 x 35 x 35	500 x 35 x 35	
Housing material	PVC	PVC	PVC	
Protection class	IP 67	IP 67	IP 67	
Type	IKU 021	IKU 031	IKU 051	
L - Version**	yes	yes	yes	
Remarks				

The sensing distance stated above describes the axial approximation of a square steel plate with a complete covering of the sensor surface. (e.g.: sensing distance Sn = 30 mm relates to a steel plate with side lengths of 150 x 50 mm at IKU 015). Smaller metal object reduces the maximum attainable sensing distance.

** see type code

slim design		jam, velocity, direction	
	100	100	200
	20	20	15
	100 x 50	100 x 50	45 x 45
			
	100 x 21 x 60	100 x 16 x 60	200 x 35 x 35
	PBT	PBT	PVC
	IP 67	IP 67	IP 67
	IKU 010	IKUS 010	IKU 022
	no	no	no

Two separate evaluateable response zones of different lengths

row installation without offset oscillation frequency version		alternative mounting	
	200	300	300
	15	15	30
	45 x 45	45 x 45	300 x 50
			
	200 x 35 x 35	300 x 35 x 35	300 x 35 x 35
	PVC	PVC	PVC
	IP 67	IP 67	IP 67
	IKU 023	IKU 032	IKUD 031
	no	no	no

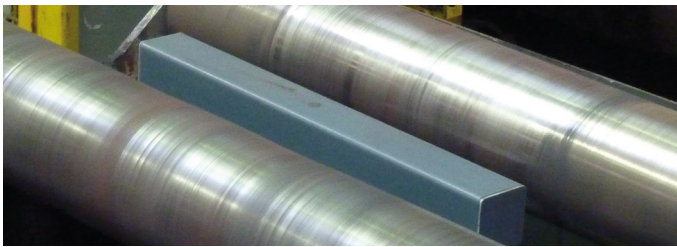
mounting holes with 4,2 mm diameter

The attainable sensing distance depends on the material of the metal object an can be calculated using the correction factor: **max. possible sensing distance = sensing distance x correction factor**

material	metal foil	steel	stainless steel	brass	aluminium	copper	nickel	cast iron
correction factor	1,2	1	0,5 ... 0,8	0,45	0,4	0,3	0,7	0,93 ... 1,05

Inductive sensor strips
General information

Inductive sensor strips detect metal objects on conveyor belts or can lines without contact. A variety of housings and lengths allow the integration in different applications. The comfortable setting with teach-in allows an easy installation and enables safe operation even under demanding conditions. Besides, the optimal solution for every application can be achieved by customizing the existing articles.



- contactless detection of metal objects
- for can lines, conveyor belts and roller ways
- jam- or direction monitoring
- monitoring of velocity
- unaffected by contamination
- different sensor lengths
- one or more response zones
- different switching outputs
- short circuit protection and polarity protection

Type code

Type (see table previous page)	e.g. IKU 015							
Proxi-Teach*	T							
20 - 260 V AC/DC		0						
10 - 30 V DC		2						
NPN - normally closed			0					
NPN - normally open			1					
2-wire normally closed AC/DC			4					
2-wire normally open AC/DC			5					
PNP normally open + normally closed antivalent			8					
Short circuit protection				G				
Plug M12x1 DC					S4			
Plug 7/8" – 16 UN (IP68)					S5			
Plug M12x1 AC					S27			
L-Version**						L		
Offset oscillation frequency for row installation							F	
Customer specific version								SA

* Proximity switches with Proxi-Teach™ recognise the existing installation conditions after one key is pressed and adjust the operating distance optimally. This enables safety operation under non-standard installation conditions. The effort upon startup is minimized.

**In the L-Version the plug, LED and the control elements are positioned on the front side. This makes it possible, to make the settings even if the sensor back is hard to access.