II5810

Inductive sensor

IIA2010-ASI /US-100

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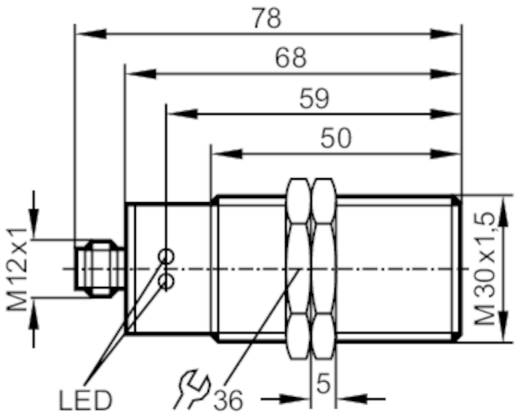
Alternative articles: IIC220

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics			
Electrical design		AS-i	
Sensing range	[mm]	10	
Housing		threaded type	
Dimensions	[mm]	M30 x 1.5 / L = 78	
Electrical data			
Operating voltage	[V]	26.5...31.6 DC	
Current consumption	[mA]	< 30	
Protection class		II	
Reverse polarity protection		yes	
Outputs			
Electrical design		AS-i	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Sensing range	[mm]	10	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
AS-i classification			
AS-i I/O configuration	[hex]	1	

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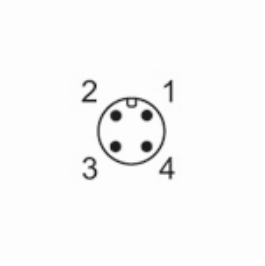
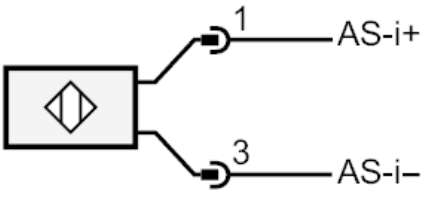
AS-i ID code	[hex]	1				
AS-i certificate		02901				
Assignment of the data bits		Designation	switching signal	safe zone	readiness for operation	not used

Mechanical data			
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 78	
Thread designation		M30 x 1.5	
Materials		brass white bronze coated; sensing face: PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		unsafe zone	1 x LED, red sensor coil wire break, sensor coil short circuit Sr: 0...10 % (< 10 Hz) Sn: 80...115 % (< 10 Hz)
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Remarks		Assured range: approx. 10...80 % of Sn	
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection