

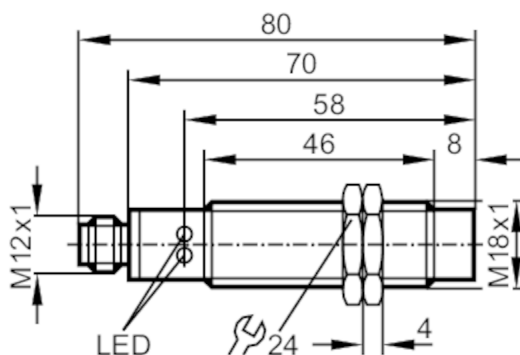
Inductive AS-Interface sensor

IGA2012-ASI /US-100

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Alternative articles: IGC235

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



Product characteristics

Electrical design	AS-i
Output function	normally open / closed; (selectable)
Sensing range [mm]	12
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 80

Application

System	optical setting aid
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Electrical data

Operating voltage [V]	26.5...31.6 DC
Current consumption [mA]	< 30
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	AS-i
Output function	normally open / closed; (selectable)
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	12
Real sensing range Sr [mm]	12 ± 10 %
Operating distance [mm]	0...9.7

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.72 / aluminum: 0.42 / copper: 0.4
Hysteresis [% of Sr]	5



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Switch-point drift	[% of Sr]	-10...10
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Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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AS-i classification

AS-i I/O configuration	[hex]	1				
AS-i ID code	[hex]	1				
AS-i certificate		21701				
Data bits		Description	switching signal	safe zone	readiness for operation	not used

Mechanical data

Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1 / L = 80
Thread designation	M18 x 1
Material	brass white bronze coated; PC

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)
Optical setting aid		yes

Accessories

Items supplied	lock nuts: 2
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Remarks

Remarks	Assured range: approx. 10...80 % of Sn
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



IG5957



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Connection

