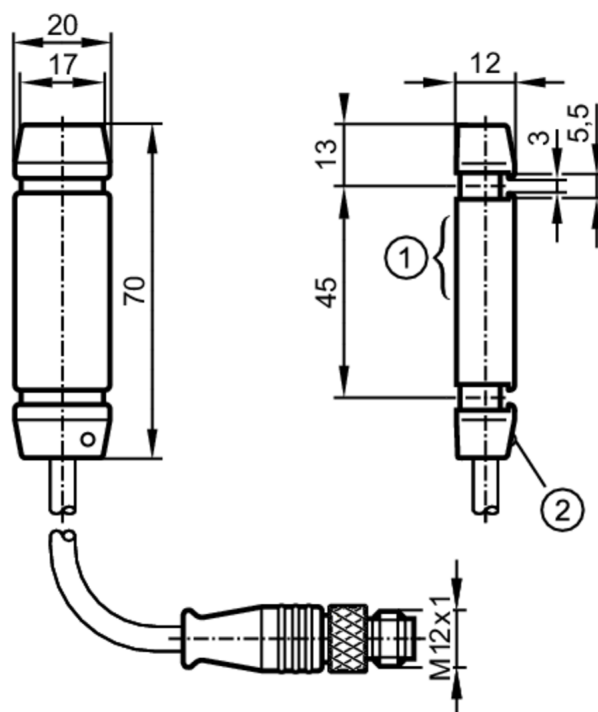




Inductive tube sensor

I8-3020-BPKG/DY/0,09M/US100DPS



- 1 Sensing face
2 LED operating status



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	< 14
Housing	rectangular
Dimensions [mm]	70 x 20 x 12

Application

Operating principle	dynamic
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Electrical data

Operating voltage [V]	10...35 DC
Current consumption [mA]	< 25
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	200
Short-circuit protection	yes
Overload protection	yes



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Detection zone		
Sensing range	[mm]	< 14
Resolution of steel ball (diameter)	[mm]	3
Max. part speed	[m/s]	25
Response times		
Pulse stretching	[ms]	100
Max. fall time	[ms]	100
Response time	[ms]	< 0.2
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
MTTF	[years]	1188
UL approval	Ta	-25...70 °C
	Enclosure type	Type 4X (indoor use only) / 12 and 13
	power supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	59
Housing		rectangular
Dimensions	[mm]	70 x 20 x 12
Materials		housing: PC
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Items supplied		fixing straps: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.09 m, PUR		
Connector: 1 x M12; coding: A		
		



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Connection

