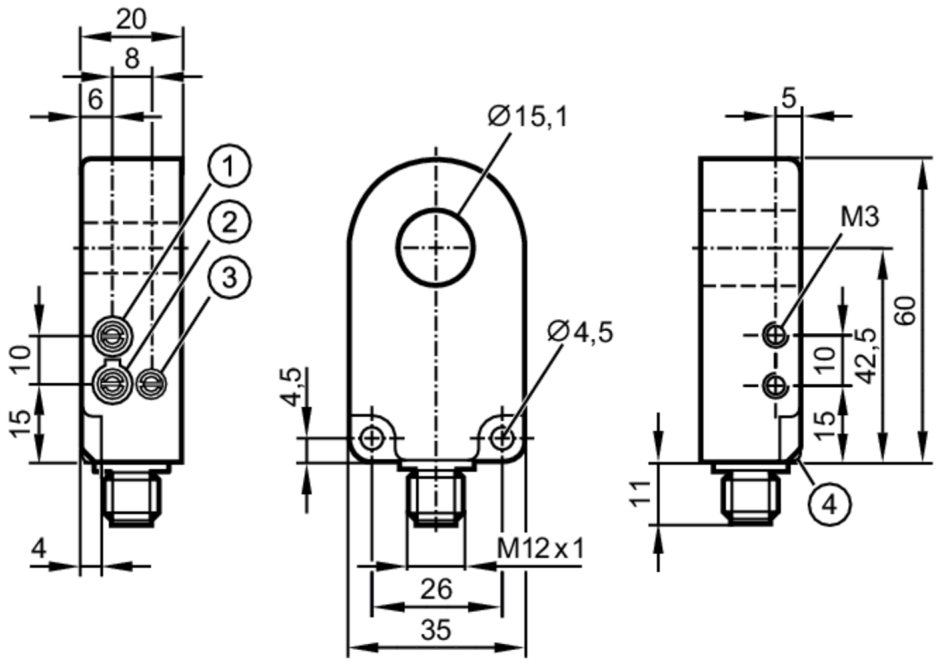
I7R205

Inductive ring sensor

I7R3015-FPKG/US-100-IPF



1 Sensitivity
2 Output function
3 Pulse stretching time

Product characteristics		
Electrical design		PNP
Output function		normally open / closed; (selectable)
Housing		circular
Dimensions	[mm]	60 x 35 x 20
Application		
Principle of operation		static
Electrical data		
Operating voltage	[V]	10...35 DC
Current consumption	[mA]	< 11
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	200
Short-circuit protection		yes
Overload protection		yes

I7R205

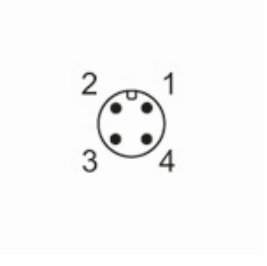
Inductive ring sensor

I7R3015-FPKG/US-100-IPF

Monitoring range			
Resolution of steel ball (diameter)	[mm]	2	
Max. part speed	[m/s]	35	
Reaction times			
Pulse stretching	[ms]	10...150	
Pulse stretching adjustable		yes	
Max. fall time	[ms]	10	
Response time	[ms]	< 0.5	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
MTTF	[years]	658	
UL approval		Ta	-25...70 °C
		Enclosure type	Type 4X (indoor use only) / 12 and 13
		voltage supply	Class 2
		File number UL	E174191
Mechanical data			
Weight	[g]	60.5	
Housing		circular	
Dimensions	[mm]	60 x 35 x 20	
Inside diameter	[mm]	15.1	
Material		housing: PA; ring: POM	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A



I7R205

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Connection

