



Inductive tube sensor

I8-3020-BPKG/DY/AS-610-DPS



- 1 Sensing face
- 2 LED operating status
- 3 LED switching status



Application

Operating principle	dynamic
---------------------	---------

Electrical data

Operating voltage	[V]	10...35 DC; ("supply class 2" to cULus)
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

Detection zone

Sensing range	[mm]	< 14
Resolution of steel ball (diameter)	[mm]	3
Max. part speed	[m/s]	25



Inductive tube sensor

I8-3020-BPKG/DY/AS-610-DPS

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
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	46
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		
Accessories (supplied)		fixing straps: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		

Connector: 1 x M8





Inductive tube sensor

I8-3020-BPKG/DY/AS-610-DPS

Connection

