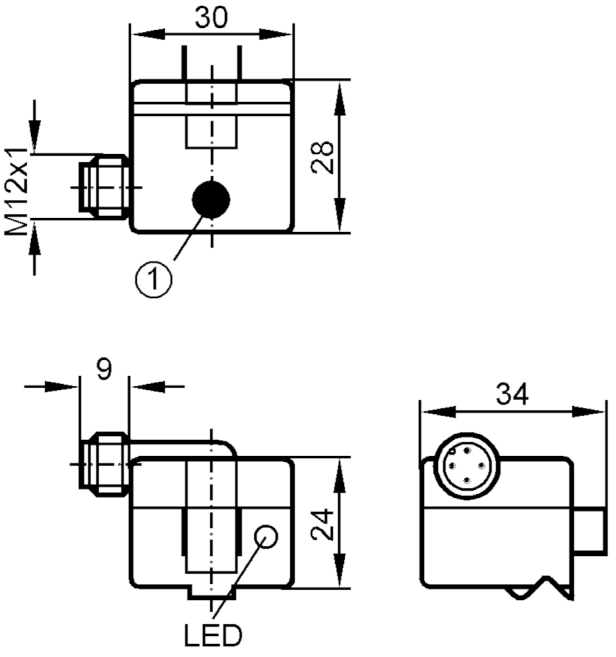
IQ5003

Cylinder sensor for tie-rod cylinder

IQ5003/US-100



1 Sensing face

CE

Product characteristics		
Electrical design		PNP
Output function		normally open
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 2
Reverse polarity protection		yes
Max. power-on delay time	[ms]	5
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.3
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Response sensitivity	[mT]	2...35
Travel speed	[m/s]	< 10

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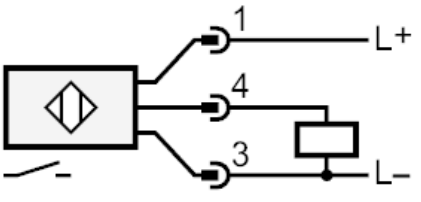
Accuracy / deviations			
Hysteresis	[mm]	1	
Repeatability	[mm]	0.1	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)	
Mechanical data			
Weight	[g]	36	
Cylinder type		pneumatic cylinders	
Materials		PA 12	
Displays / operating elements			
Display		switching status	1 x LED, red
Remarks			
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A

Connection