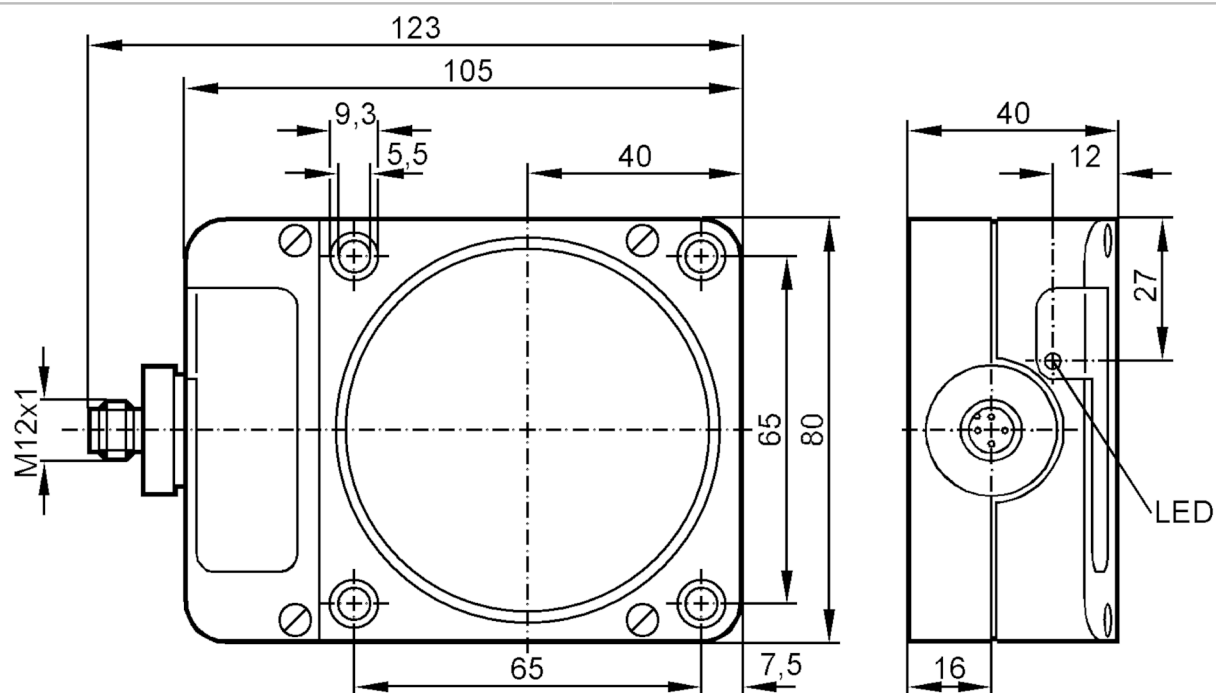


Inductive sensor

IDE3040-BPKG/US-100-DPS M01

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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	40; (fixed: 40)
Housing	rectangular
Dimensions [mm]	105 x 80 x 40

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	4
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



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Detection zone		
Sensing range	[mm]	40; (fixed: 40)
Real sensing range Sr	[mm]	40 ± 10 %
Operating distance	[mm]	0...32.4
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	105 x 80 x 40
Materials		PPE
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		screwdriver: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12; coding: A		
		



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Connection

