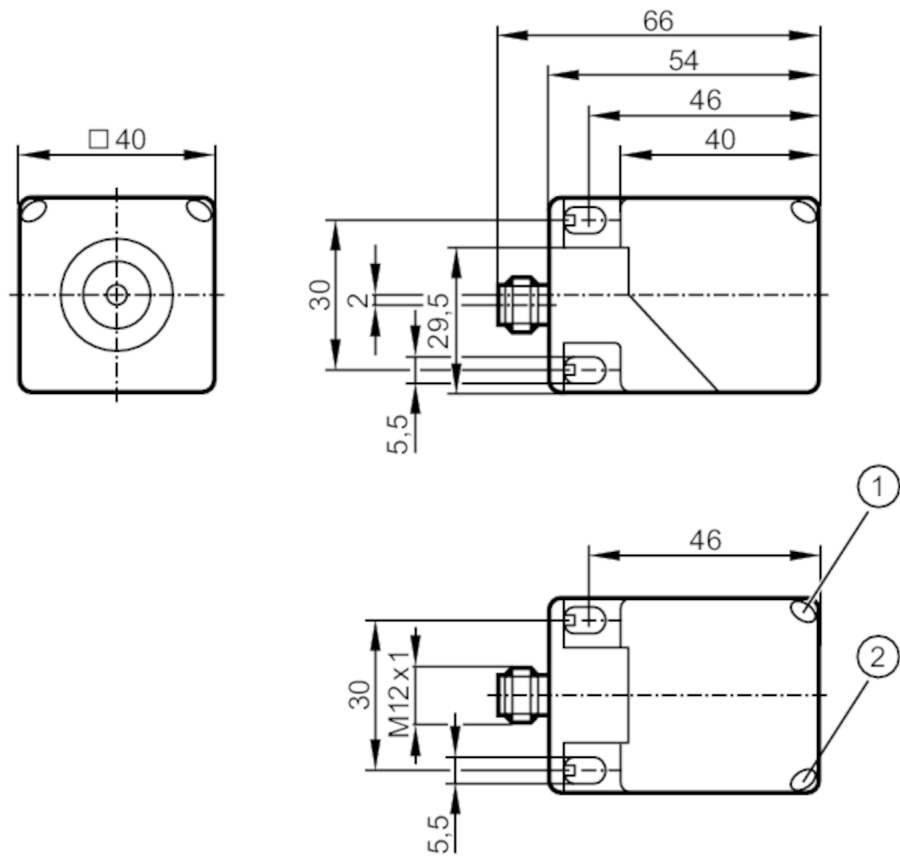


IM5116



Inductive sensor

IMC3035-BPKG/US-100-DPS



- 1 LED yellow
- 2 LED green



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	35
Housing	rectangular
Dimensions [mm]	40 x 40 x 54

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
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]	200
Switching frequency DC [Hz]	80

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Inductive sensor

IMC3035-BPKG/US-100-DPS

Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Sensing range	[mm]	35	
Real sensing range Sr	[mm]	35 ± 10 %	
Operating distance	[mm]	0...28.3	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC	EN 61000-4-2 ESD		8 kV CD / 6 kV AD
	EN 61000-4-3 HF radiated		10 V/m
	EN 61000-4-4 Burst		2 kV
	EN 61000-4-5 Surge		0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted		10 V
	EN 55011		class B
MTTF	[years]	1494	
UL approval	Ta		-25...70 °C
	Enclosure type		Type 1
	voltage supply		Class 2
	File number UL		E174191
Mechanical data			
Weight	[g]	152.5	
Housing		rectangular	
Sensing face		5 positions selectable	
Mounting		non-flush mountable	
Dimensions	[mm]	40 x 40 x 54	
Material		PA	
Displays / operating elements			
Display	Switching status		1 x LED, yellow
	Power		1 x LED, green
Remarks			
Pack quantity		1 pcs.	

IM5116



Inductive sensor

IMC3035-BPKG/US-100-DPS

Electrical connection - plug

Connector: 1 x M12; coding: A; Locking: locking, rotatable



Connection

