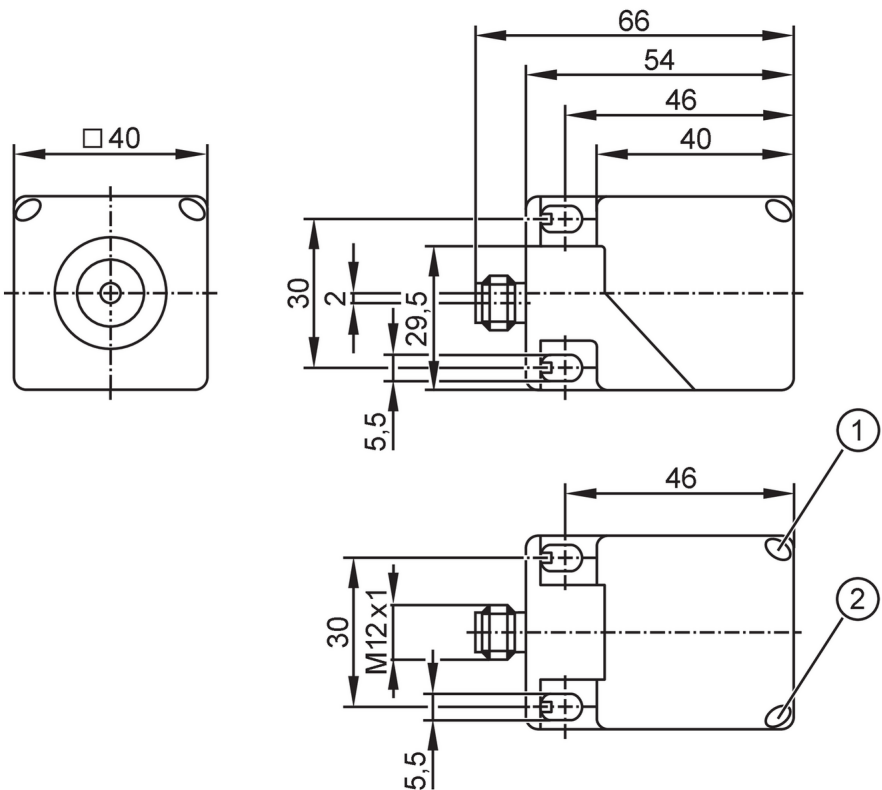


IM5116



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
Max. leakage current [mA]	< 0.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	80
Short-circuit protection	yes

IM5116



Inductive sensor

IMC3035-BPKG/US-100-DPS

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
Embedded software included	no	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval number	A074
	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	housing: PA; sensing face: PA black; bevelled housing part: PA; clamp: black; screw: stainless steel (1.4567 / 304Cu)	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Remarks		
Pack quantity	1 pcs.	

IM5116



Inductive sensor

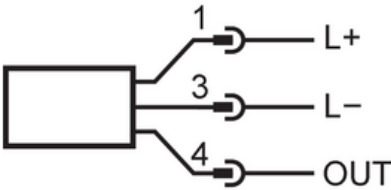
IMC3035-BPKG/US-100-DPS

Electrical connection - plug

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



Connection



1	L+	
3	L-	
4	OUT	DO (NO)