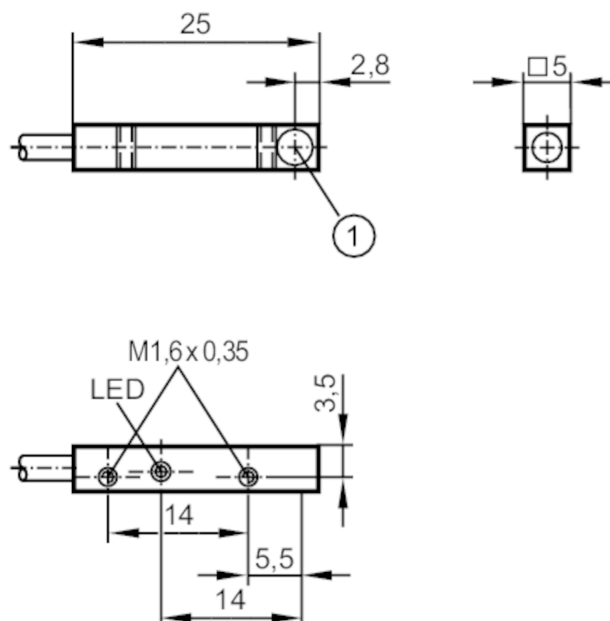




Inductive sensor

ILB30,8-BPKG/2M PVC



1 sensing face



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	0.8
Housing	rectangular
Dimensions [mm]	25 x 5 x 5

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	10; (24 V)
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	no

Monitoring range

Sensing range [mm]	0.8
Real sensing range Sr [mm]	0.8 ± 10 %

IL5022



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Operating distance	[mm]	0...0.65
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	< 15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	640
UL approval	Ta	0...40 °C
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	54.5
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	25 x 5 x 5
Material		housing: aluminum anodized; sensing face: POM
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		screws: 2
Remarks		
Pack quantity		1 pcs.

IL5022



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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



BK = Core colors :
BN = black
BU = brown
blue