

Inductive sensor

IE-2002-FROG/OLED/PH

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Alternative articles: IE5202

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1

Electrical data

Operating voltage [V]	5...36 DC
Protection class	III
Reverse polarity protection	no

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	2000
Short-circuit protection	no
Overload protection	no

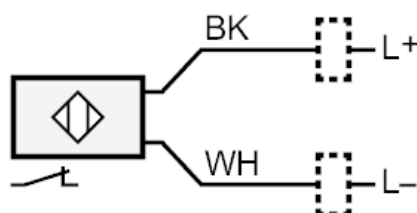
IE5223



Inductive sensor

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Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
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	
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1
Thread designation		M8 x 1
Materials		PBT; TPE
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PPU; 2 x 0.14 mm ²		
Connection		



BK = Core colours :
WH = black
white