

IG0224



Inductive sensor

IGA2005-ABOA/ 6mPPU

Article no longer available - archive entry

Alternative articles: IG0230 or IG0051

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



Product characteristics

Output function		normally open
Sensing range	[mm]	5
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 80

Electrical data

Operating voltage	[V]	20...250 AC/DC
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.7
Minimum load current	[mA]	4
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	50
Short-circuit protection		no
Overload protection		no

Monitoring range

Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %

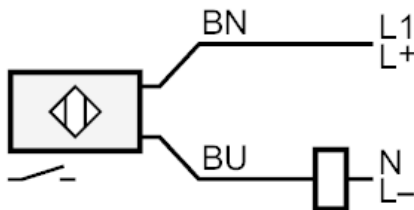
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Operating distance	[mm]	0...4.05
Accuracy / deviations		
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Material		brass nickel-plated; ULTRASON
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PUR / PVC; highly flexible; 2 x 0.5 mm²		
Connection		



BN = Core colors : brown
BU = blue