

Inductive sensor

IVE2015-FBOW

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Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output AC	[V]	7
Minimum load current	[mA]	10
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	500
Switching frequency AC	[Hz]	25
Short-circuit protection		no
Overload protection		no



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Monitoring range		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...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	
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 118
Material		PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Remarks		
Remarks	cable gland (E11270) to be ordered separately	
Pack quantity	1 pcs.	
Electrical connection		
terminals: ...2.5 mm²		
Connection		

