

Inductive sensor

IVE2015UFBOW

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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

Application

System		Magnetic-field immune
Magnetic-field immune		yes

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]	5
Permanent current rating of switching output AC	[mA]	500
Switching frequency AC	[Hz]	25



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Short-circuit protection	no
Overload protection	no

Monitoring range	
Sensing range [mm]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
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 S_r]	1...15
Switch-point drift [% of S_r]	-10...10

Operating conditions	
Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

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

