

IV5001



Inductive sensor

IVE3015-BPKG

Article no longer available - archive entry

Alternative articles: IV5004

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 118

Electrical data

Operating voltage [V]	10...60 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	3

IV5001



Inductive sensor

IVE3015-BPKG

Permanent current rating of switching output DC	[mA]	200	
Switching frequency DC	[Hz]	150	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
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 / aluminium: 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			
Weight	[g]	264	
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 40 x 118	
Materials		PBT	
Displays / operating elements			
Display	switching status	1 x LED, yellow	
	operation	1 x LED, green	
Remarks			
Remarks	5 positions of the active zone possible		
	Cable gland (E11270) to be ordered separately		
Pack quantity	1 pcs.		

IV5001



Inductive sensor

IVE3015-BPKG

Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection

