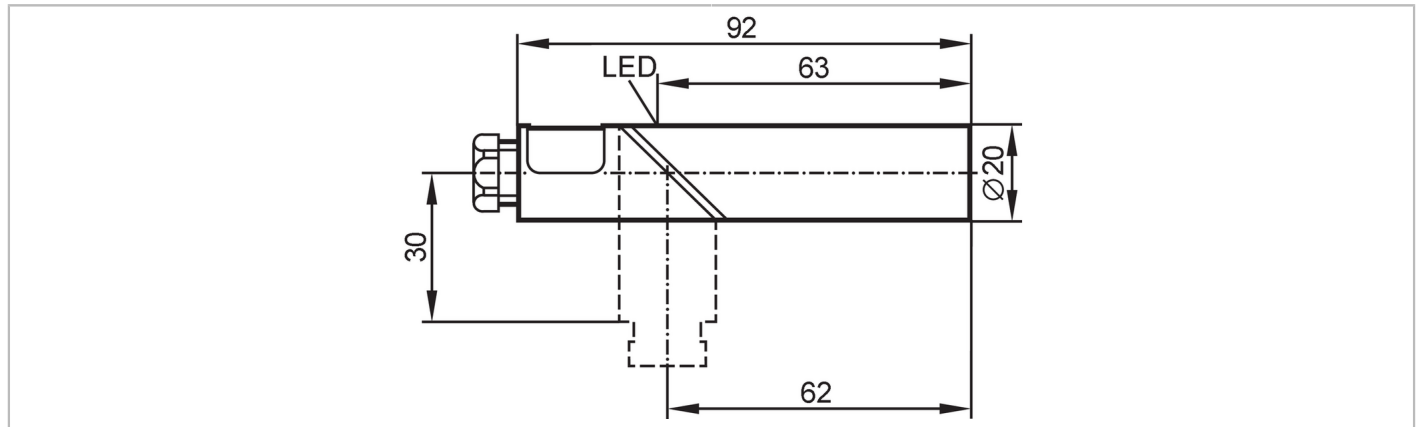


IA5062



Inductive sensor

IAE3010-BPKG



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		tubular
Dimensions	[mm]	Ø 20 / L = 92
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
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

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Inductive sensor

IAE3010-BPKG

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1147
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	File number UL	E174191
Mechanical data		
Weight	[g]	84.1
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20 / L = 92
Material		housing: PBT; LED window: PC
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		Mounting clamp: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
terminals: ...2.5 mm ² ; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5		
Connection		

