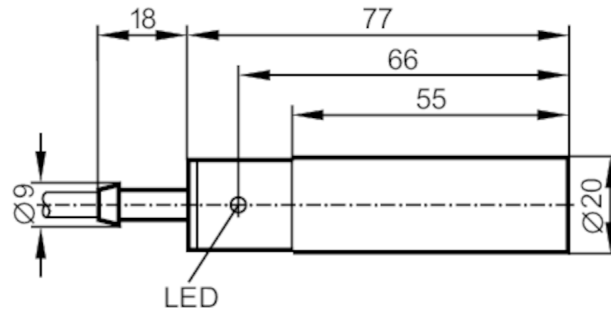


IA5045



Inductive sensor

IA-3010-BPKG/10M



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		pulsed
Overload protection		yes
Detection zone		
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 / aluminium: 0.3 / copper: 0.2
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
MTTF	[years]	1853

IA5045



Inductive sensor

IA-3010-BPKG/10M

Mechanical data	
Weight [g]	506.6
Housing	cylindrical
Mounting	non-flush mountable
Dimensions [mm]	Ø 20 / L = 77
Materials	PBT

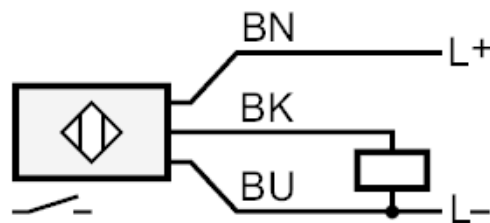
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	Mounting clamps: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection
Cable: 10 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black