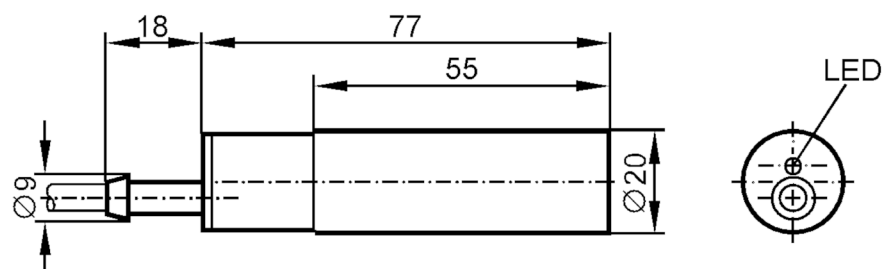


## Inductive sensor

IA-2010SFROG

Article no longer available - archive entry



## Product characteristics

Electrical design	PNP; (self-monitoring system)
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	10
Housing	cylindrical
Dimensions [mm]	Ø 20

## Electrical data

Connection to switching amplifiers	yes
Switching amplifiers	connection to F400 control monitor or as 2-wire DC DNP
Operating voltage [V]	10...36 DC
Reverse polarity protection	no

## Outputs

Electrical design	PNP; (self-monitoring system)
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	6.5
Minimum load current [mA]	5
Max. leakage current [mA]	1.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	70
Short-circuit protection	no
Overload protection	no



## Inductive sensor

IA-2010SFROG

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
Mechanical data		
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		Mounting clamps: 1
Remarks		
Pack quantity		1 pcs.



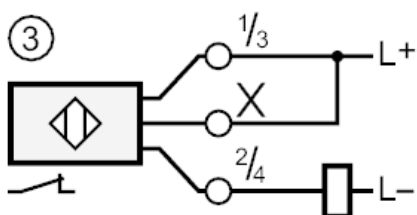
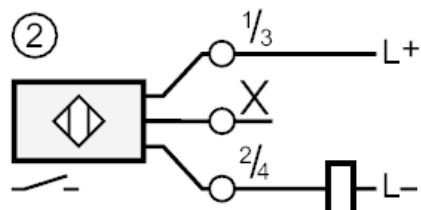
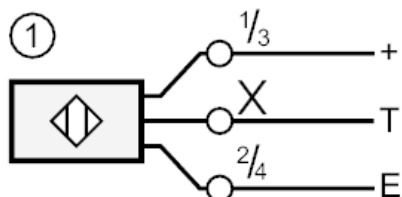
## Inductive sensor

IA-2010SFROG

### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



- 1 = connection to F400  
 2 = Connection 2-wire DC  
 3 = Connection 2-wire DC  
 Core colours :  
 BK = black  
 BN = brown  
 BU = blue