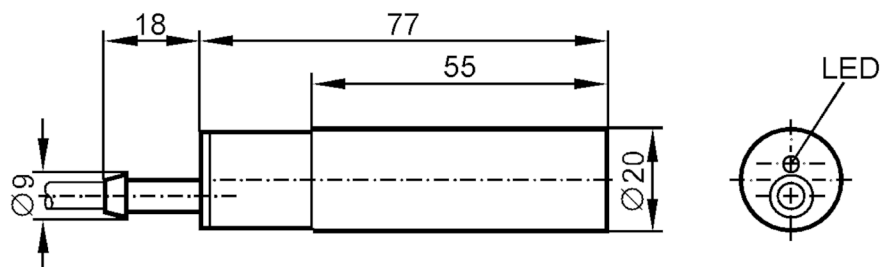




## Inductive sensor

IA-2010SFROG/20m

Article no longer available - archive entry



## Product characteristics

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

## Electrical data

Connection at circuit amplifier	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 / 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

## Monitoring range

Sensing range [mm]	10
--------------------	----

# IA5021



## Inductive sensor

IA-2010SFROG/20m

Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
<b>Accuracy / deviations</b>		
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
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...80
Protection		IP 67
<b>Mechanical data</b>		
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Material		PBT
<b>Displays / operating elements</b>		
Display	Switching status	1 x LED, yellow
<b>Accessories</b>		
Items supplied		Mounting clamp: 1
<b>Remarks</b>		
Pack quantity		1 pcs.



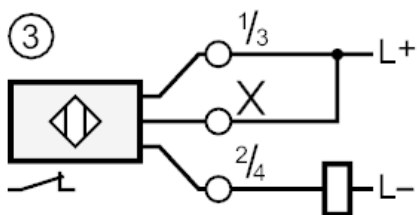
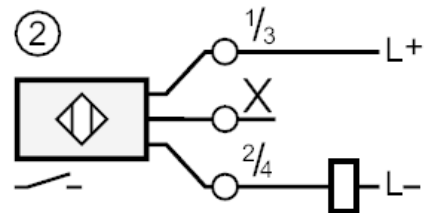
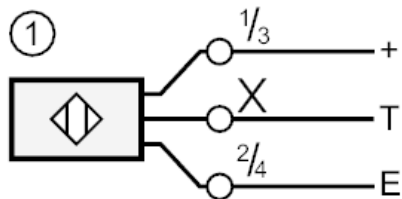
## Inductive sensor

IA-2010SFROG/20m

### Electrical connection

Cable: 20 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 colors :  
 BK = black  
 BN = brown  
 BU = blue