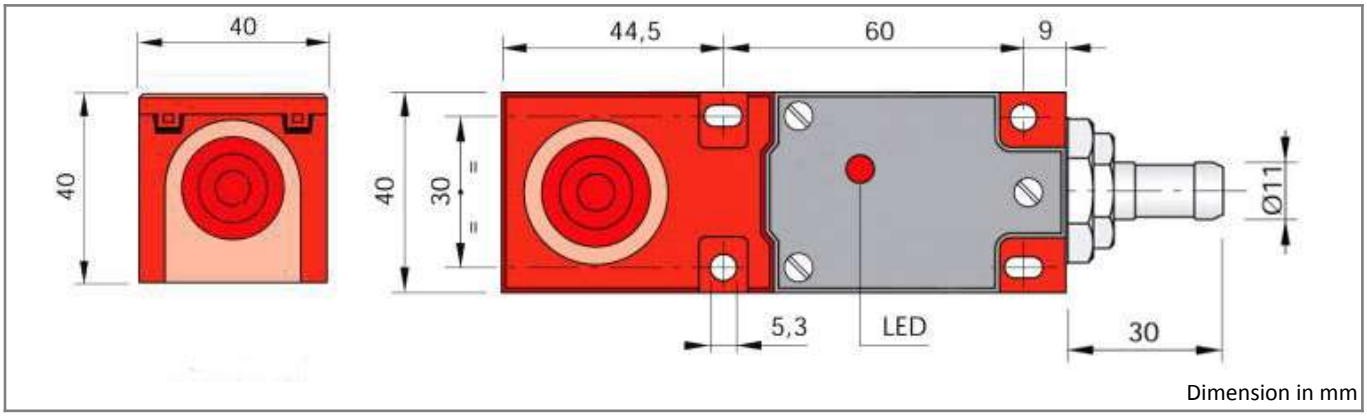
POSITION SENSORS
Inductive Sensors

Part number: **SIP000452** Model: **SIP40-BE20 NO/NC LC2**



Dimension in mm

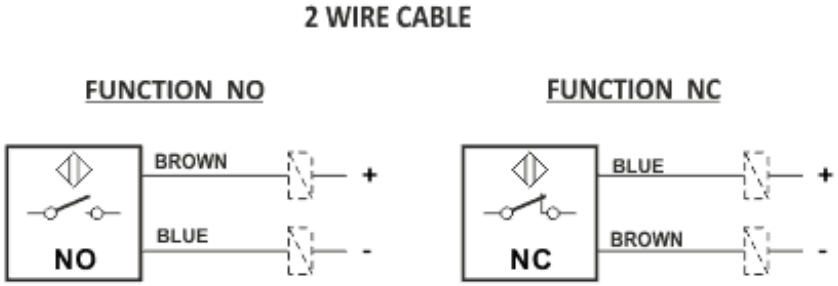
1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	10 ÷ 55
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Function:		NO/NC selectable with polarity change
Max voltage drop:	[V]	< 6.5
Max output current:	[mA]	≤100
Minimum output current:	[mA]	≥1.5
Residual current:	[mA]	< 0.6
Max switching frequency:	[Hz]	300
Short circuit protection:		Present
Overload protection:		Present
Detection zone		
Switching distance-Sn:	[mm]	20
Real sensing distance-Sr:	[mm]	20 ±10%
Operative distance-So:	[mm]	0 ÷ 16.20
Accuracy and Deviations		
Correction factor:		Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Hysteresis:	[%Sr]	< 10
Switching point drift:	[%Sr]	-10 ÷ +10
Repeatability:	[%Sn]	< 3
Environmental conditions		
Temperature limits:	[°C]	-25 ÷ +70
IP rating:		IP65-IP66-IP67
Display and control elements		
Display:		Output switching status - 1 x LED: Yellow

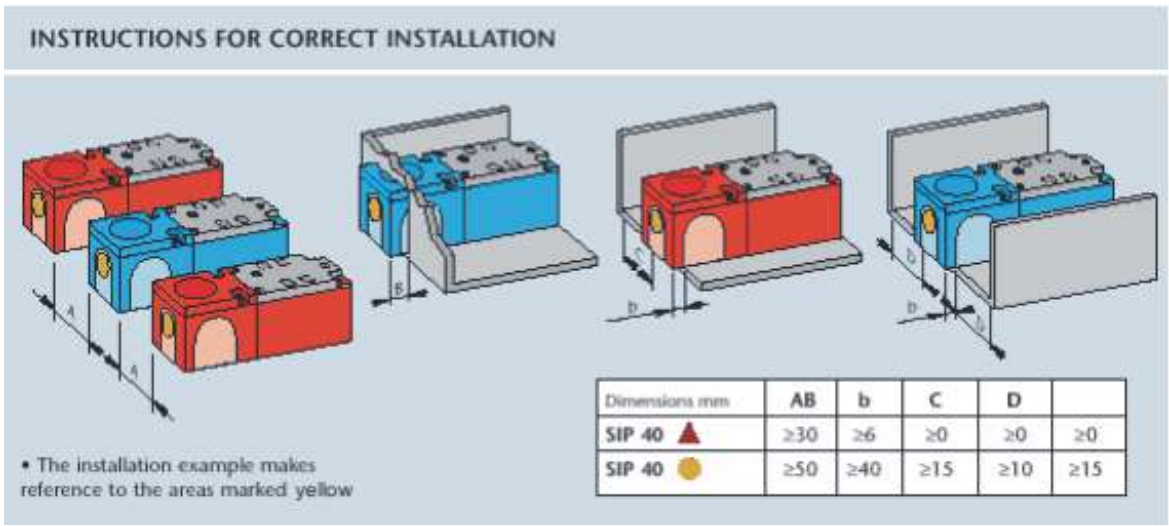
Mechanical data		
Housing:		Parallelepiped
Dimensions:	[mm]	40 x 40 x 114
Materials:		Housing: Red Polycarbonate
Mounting:		Not embeddable
Weigth:	[g]	280
Electrical connection		
Cable:		2 m - PVC/PVC - 2 x 0.50 mm²
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

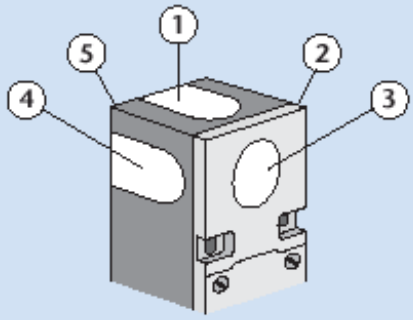


INSTRUCTIONS FOR CORRECT INSTALLATION



Titolo img 1

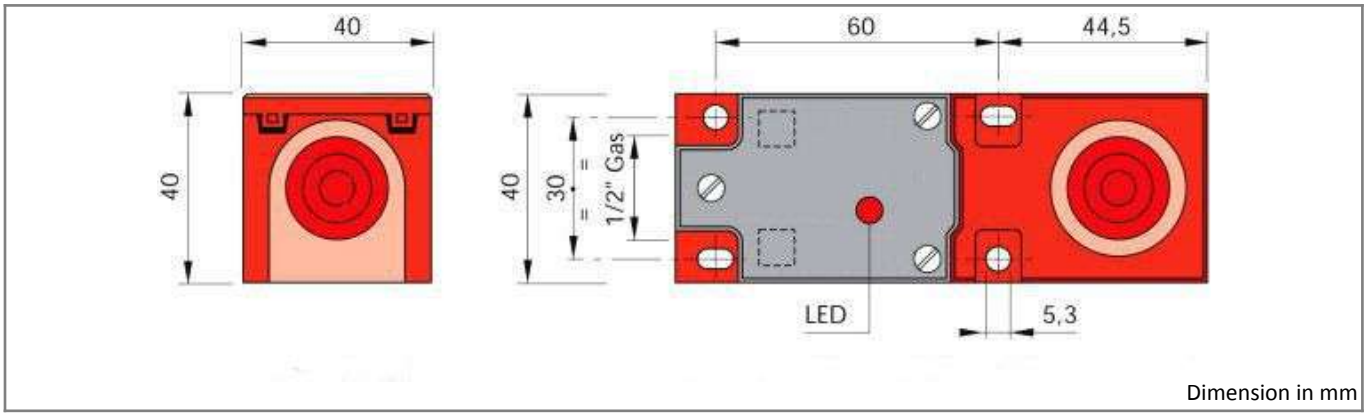
ADJUSTABLE SENSITIVITY SIP 40



NOTE: In the SIP 40 sensor the oscillator is contained in a module which clips into the body whose surface can then be sensitive on five different positions. The surface chosen can be identified by applying the circular adhesive label.

POSITION SENSORS
Inductive Sensors

Part number: **SIP000453** Model: **SIP40-BE20 NO/NC**



Dimension in mm

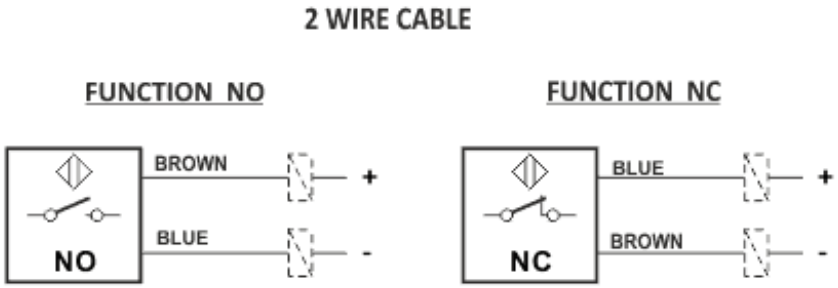
1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	10 ÷ 55
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Function:		NO/NC selectable with polarity change
Max voltage drop:	[V]	< 6.5
Max output current:	[mA]	≤100
Minimum output current:	[mA]	≥1.5
Residual current:	[mA]	< 0.6
Max switching frequency:	[Hz]	300
Short circuit protection:		Present
Overload protection:		Present
Detection zone		
Switching distance-Sn:	[mm]	20
Real sensing distance-Sr:	[mm]	20 ±10%
Operative distance-So:	[mm]	0 ÷ 16.20
Accuracy and Deviations		
Correction factor:		Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Hysteresis:	[%Sr]	< 10
Switching point drift:	[%Sr]	-10 ÷ +10
Repeatability:	[%Sn]	< 3
Environmental conditions		
Temperature limits:	[°C]	-25 ÷ +70
IP rating:		IP65
Display and control elements		
Display:		Output switching status - 1 x LED: Yellow

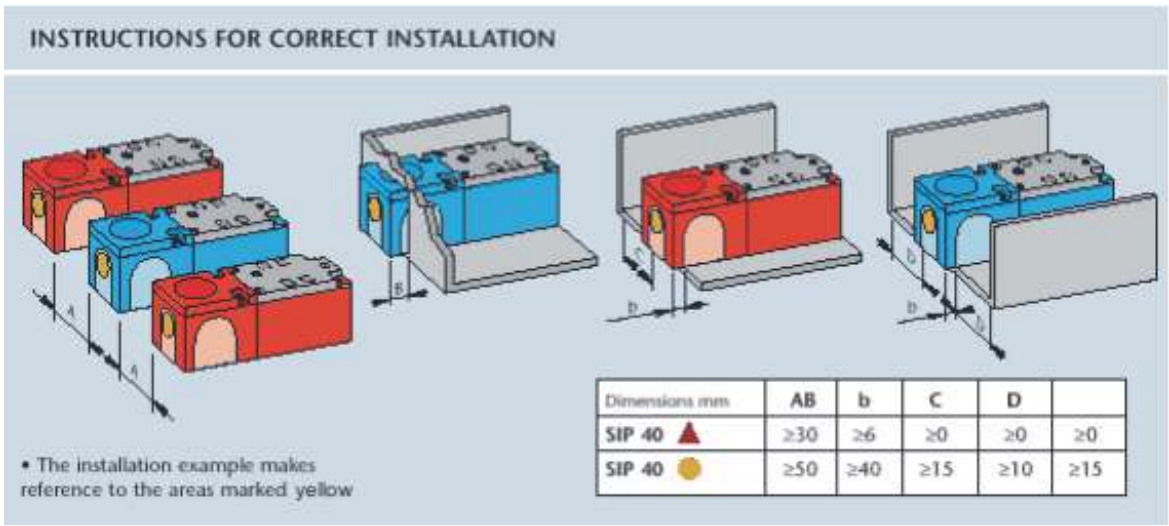
Mechanical data		
Housing:		Parallelepiped
Dimensions:	[mm]	40 x 40 x 114
Materials:		Housing: Red Polycarbonate
Mounting:		Not embeddable
Weigth:	[g]	200
Electrical connection		
Terminal block:		2-pole terminal block
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

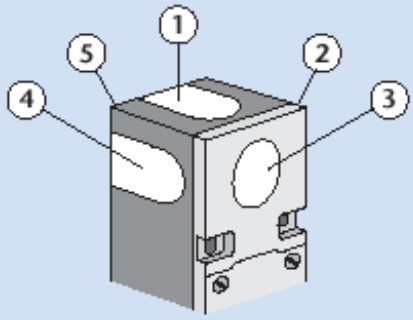


INSTRUCTIONS FOR CORRECT INSTALLATION



Titolo img 1

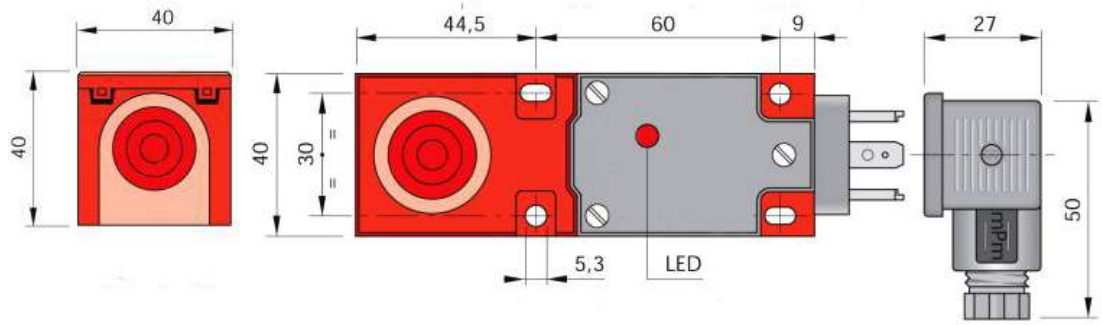
ADJUSTABLE SENSITIVITY SIP 40



NOTE: In the SIP 40 sensor the oscillator is contained in a module which clips into the body whose surface can then be sensitive on five different positions. The surface chosen can be identified by applying the circular adhesive label.

POSITION SENSORS
Inductive Sensors

Part number: **SIP000455** Model: **SIP40-BE20 NO/NC K**



Dimension in mm

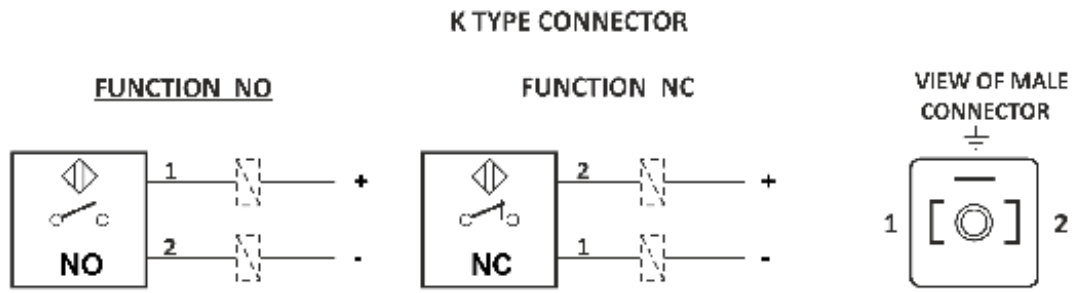
1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	10 ÷ 55
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Function:		NO/NC selectable with polarity change
Max voltage drop:	[V]	< 6.5
Max output current:	[mA]	≤100
Minimum output current:	[mA]	≥1.5
Residual current:	[mA]	< 0.6
Max switching frequency:	[Hz]	300
Short circuit protection:		Present
Overload protection:		Present
Detection zone		
Switching distance-Sn:	[mm]	20
Real sensing distance-Sr:	[mm]	20 ±10%
Operative distance-So:	[mm]	0 ÷ 16.20
Accuracy and Deviations		
Correction factor:		Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Hysteresis:	[%Sr]	< 10
Switching point drift:	[%Sr]	-10 ÷ +10
Repeatability:	[%Sn]	< 3
Environmental conditions		
Temperature limits:	[°C]	-25 ÷ +70
IP rating:		IP65
Display and control elements		
Display:		Output switching status - 1 x LED: Yellow

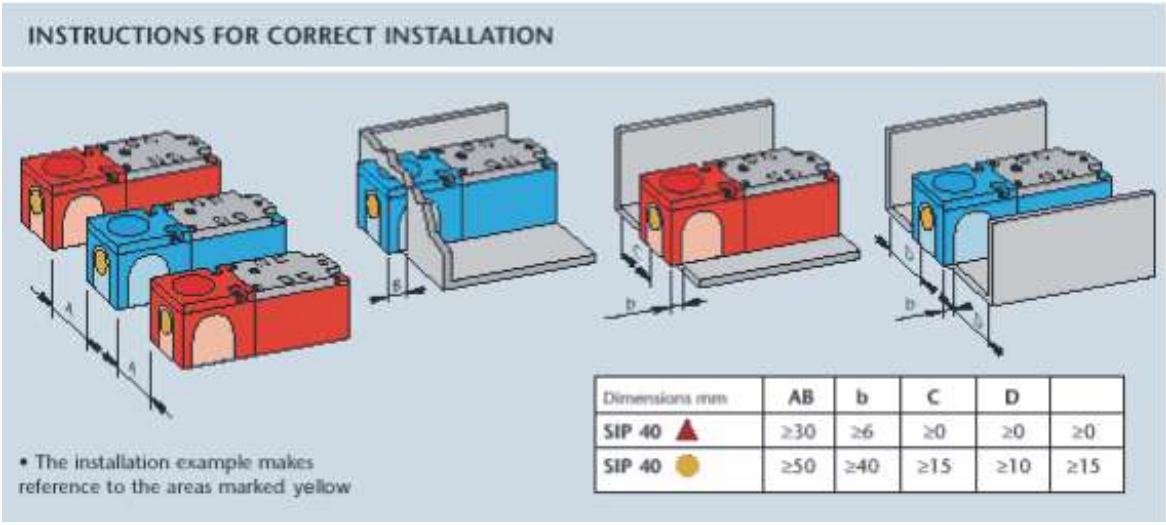
Mechanical data		
Housing:		Parallelepiped
Dimensions:	[mm]	40 x 40 x 114
Materials:		Housing: Red Polycarbonate
Mounting:		Not embeddable
Weigth:	[g]	220
Electrical connection		
Connector:		K Type - 3 poles - EN 17301-803
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

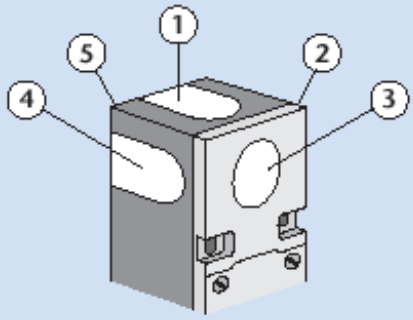


INSTRUCTIONS FOR CORRECT INSTALLATION



Titolo img 1

ADJUSTABLE SENSITIVITY SIP 40



NOTE: In the SIP 40 sensor the oscillator is contained in a module which clips into the body whose surface can then be sensitive on five different positions. The surface chosen can be identified by applying the circular adhesive label.