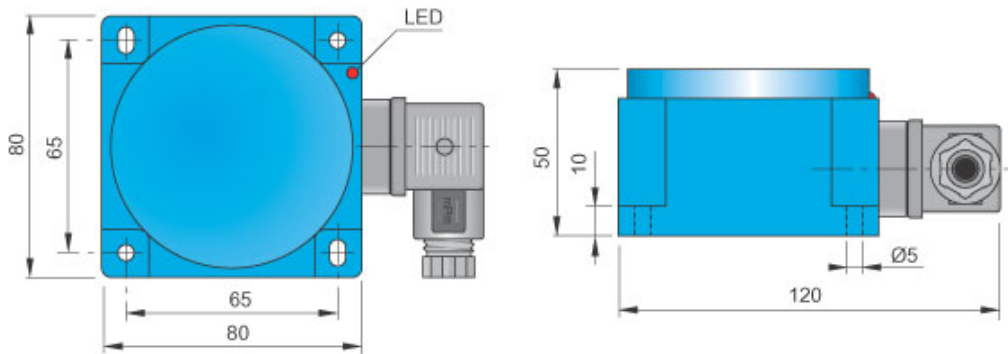


Part number: **SIP000108** Model: **SIQ80-AE50 NO/NC K**



Dimension in mm

1. TECHNICAL CHARACTERISTICS



Electrical data

Power supply type:		Alternating current
Working voltage:	[V]	20 ÷ 250
Protection class:		III

Outputs

Function:		NO/NC programmable
Max voltage drop:	[V]	< 6
Max output current:	[mA]	300
Minimum output current:	[mA]	5
Max peak current:	[A]	1.5
Residual current:	[mA]	< 1
Max switching frequency:	[Hz]	12

Detection zone

Switching distance-Sn:	[mm]	10 ÷ 60 (adjustable)
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Accuracy and Deviations

Correction factor:		Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Hysteresis:	[%Sr]	< 10 with Sn=50mm
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
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Mechanical data

Housing:		Parallelepiped
Dimensions:	[mm]	80 x 80 x 50
Materials:		Housing: PC blue - Sensing area: PC blue
Mounting:		Not embeddable
Weight:	[g]	430

Electrical connection

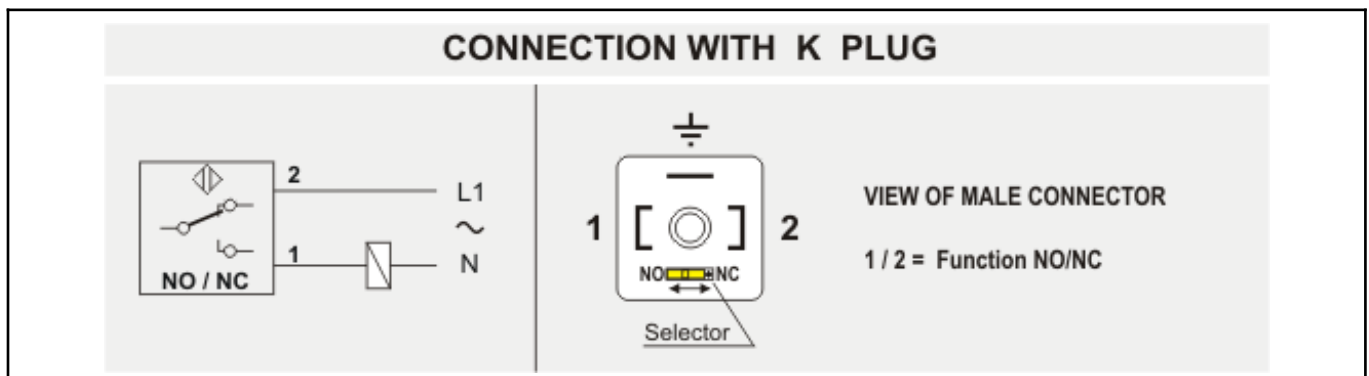
Connector:		K Type - 3 poles - EN 17301-803
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Compliance to Standards / Directives

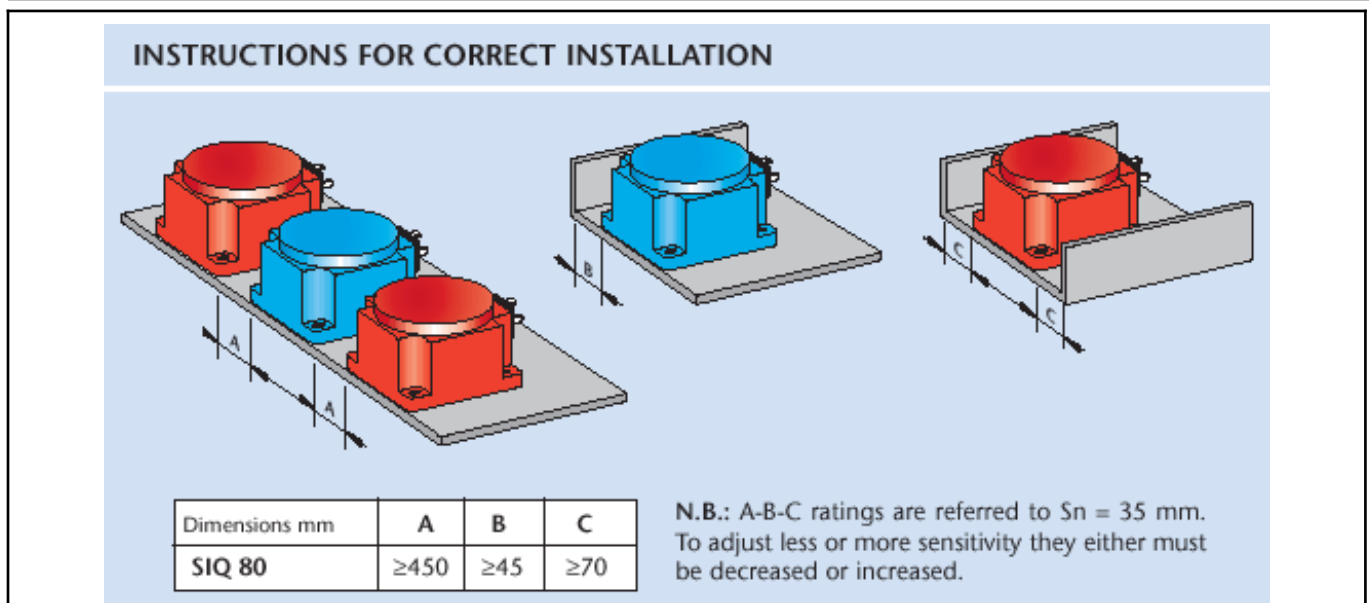
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC) 2014/35/UE -Low voltage directive (LVD)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

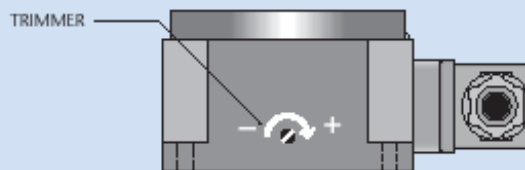
WIRING DIAGRAM



INSTRUCTIONS FOR CORRECT INSTALLATION



Titolo img 1

SENSITIVITY ADJUSTMENT

This sensor is supplied with a trimmer for the sensitivity adjustment. The sensitivity increases when the trimmer is rotated in the clockwise direction and decreases in the anti-clockwise direction. Avoid using for a capacity greater than 60 mm referred to a square piece of (FE 37) steel of 1 mm thickness the side of which is equal to 100 mm. When setting the sensor keep in consideration all other metallic objects nearby, in fact setting is suggested to be made when the sensor is installed in the normal working conditions. The sensor is supplied already pre-set to 50 mm sensitivity.