



Operating instructions

GB

IFSxxx
IGSxxx
IISxxx

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1 Safety instructions

- Please read carefully the instructions and precautions before installing and using the sensor.
- Please keep this document for future reference.

2 Installation

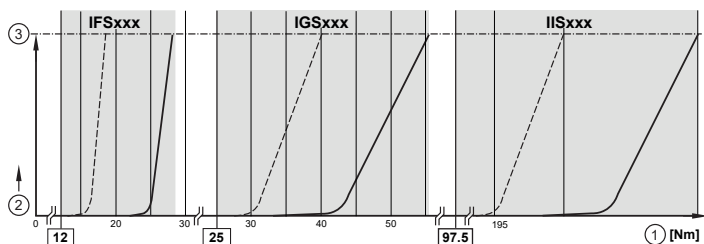
Flush	Non flush	Mutual interference
		<p>Sn: Sensing distance d: Diameter of the sensor H: Mounting hole N: Nut dimensions</p>

When mounting units of the same type, certain minimum distances have to be adhered to if the units are mounted opposite each other or in parallel.

Type	Thread	Sn flush	Sn no flush	d			
IFS	M12x1	4 mm	7 mm	12 mm	12.5 – 13 mm	17 mm	25 Nm
IGS	M18x1	8 mm	12 mm	18 mm	18.5 – 19 mm	24 mm	50 Nm
IIS	M30x1.5	15 mm	22 mm	30 mm	30.5 – 31 mm	36 mm	195 Nm

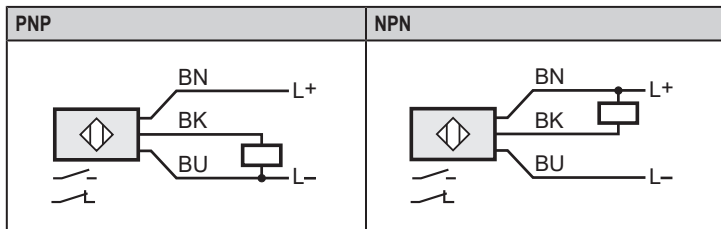
*) The maximum tightening torques must not be exceeded. Installation has to be carried out using a nut and lock washer, free from grease. Depending on the installation conditions and surface characteristics, ifm recommends to use 50% of the indicated values, to ensure safe and reliable mounting.

Tightening torque for mounting with lockwasher



- | | |
|----------------|-----|
| 1: Torque | --- |
| 2: Degradation | — |
| 3: Damage | □ |

3 Electrical connection



BN: brown
BU: blue

BK: black

Cable diameter 4.0 mm, bending radius 40.0 mm.