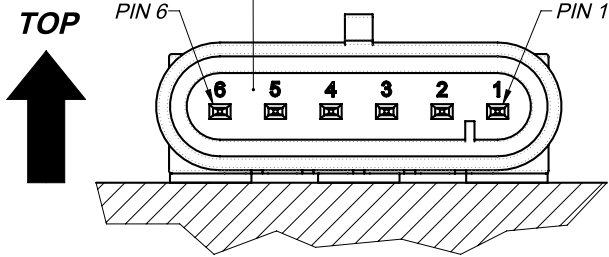


ELECTRICAL CONNECTIONS

AMP VERSION

AMP Superseal
6 pole 282108-1 connector
Mated with connector
AMP 282090-1



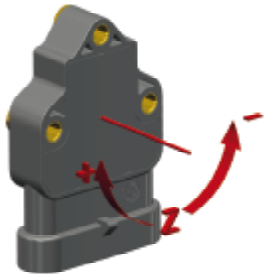
CONNECTIONS

1. GROUND
2. + SUPPLY
3. OUTPUT X (dual axis)/
Z (single axis)
4. OUTPUT Y (dual axis)/
n.c. (single axis)
5. n.c.
6. n.c.

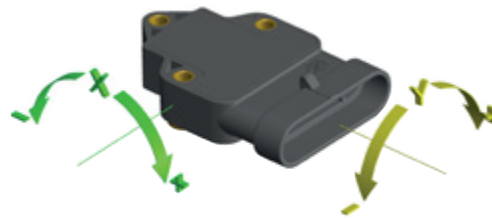
CAN CONNECTIONS

1. GROUND
2. + SUPPLY
3. n.c.
4. n.c.
5. CAN L
6. CAN H

SINGLE AXIS

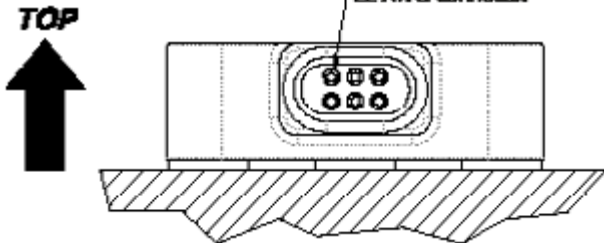


DUAL AXIS



CABLE VERSION

cable output PUR sheath
22 AWG connector



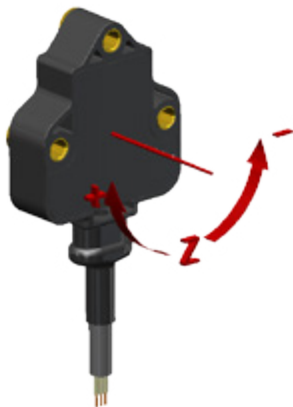
CONNECTIONS

1. BLACK GROUND
2. RED + SUPPLY
3. YELLOW OUTPUT X (dual axis)/
Z (single axis)
4. GREEN OUTPUT Y (dual axis)/
n.c. (single axis)
5. BLUE n.c.
6. WHITE n.c.

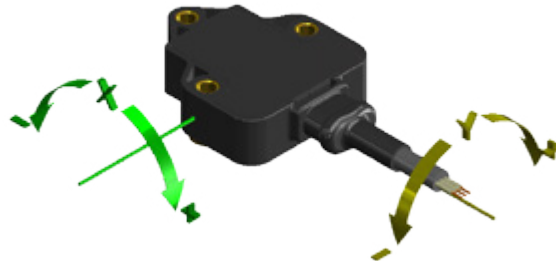
CAN CONNECTIONS

1. BLACK GROUND
2. RED + SUPPLY
3. YELLOW n.c.
4. GREEN n.c.
5. BLUE CAN L
6. WHITE CAN H

SINGLE AXIS

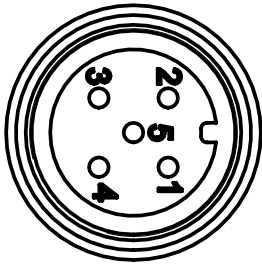


DUAL AXIS

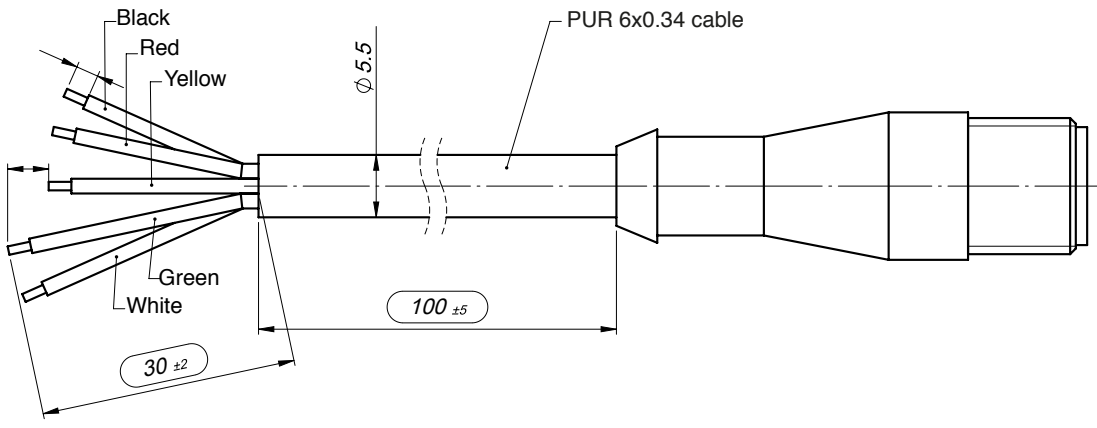


ITEMS MARKED "n.c." SHOULD NOT BE CONNECTED

CABLE+M12 VERSION



PIN connections cable+M12	
PIN 1	RED
PIN 2	GREEN
PIN 3	BLACK
PIN 4	YELLOW
PIN 5	WHITE



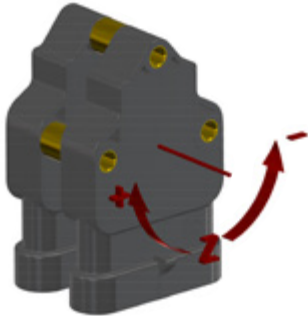
FULL REDUNDANT VERSION

Gefran GIB tilt sensor is designed to be double mounted with specific spacers (BUS027) in order to have a full redundant space-saving version.

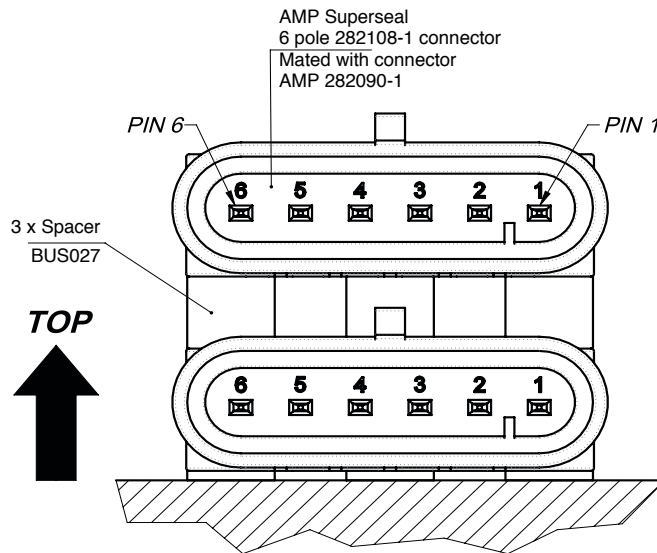
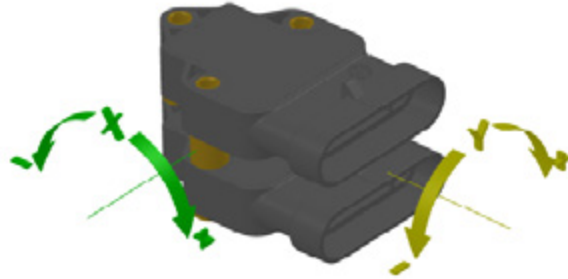
Please pay attention how to install the two GIB sensors: please position them both always face up or both face down.

Example of AMP FULL REDUNDANT VERSION

SINGLE AXIS



DUAL AXIS



CONNECTIONS

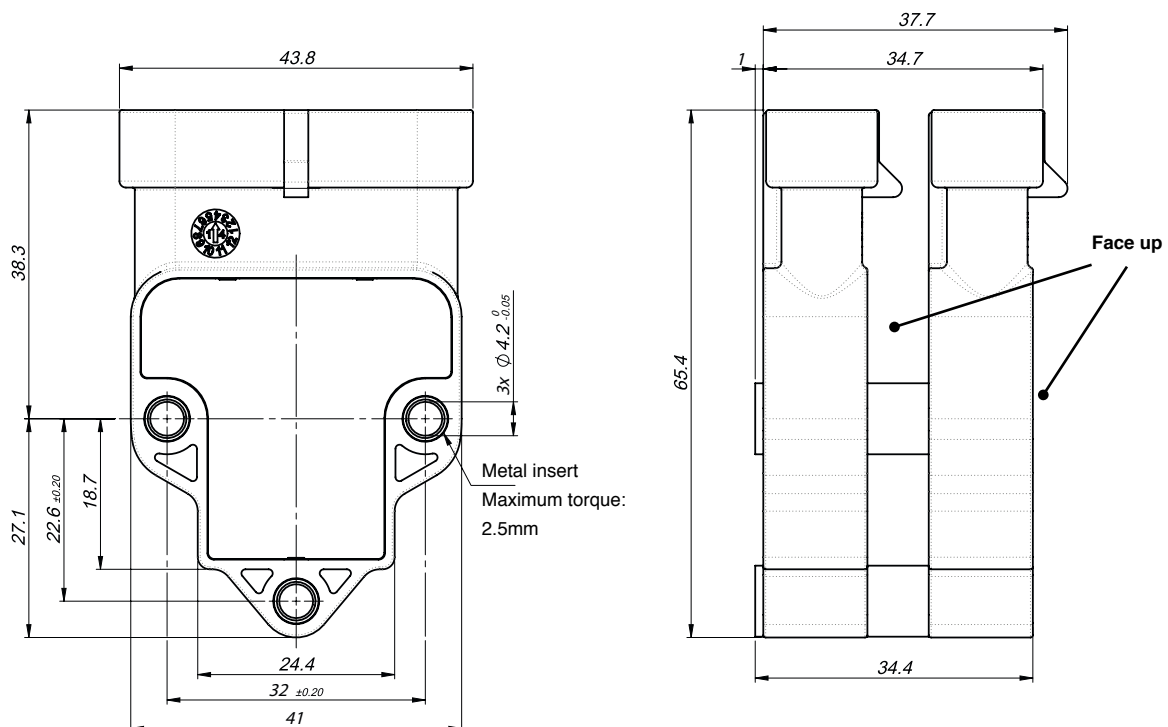
1. GROUND
2. + SUPPLY
3. OUTPUT X
4. OUTPUT Y
5. n.c.
6. n.c.

CAN CONNECTIONS

1. GROUND
2. + SUPPLY
3. n.c.
4. n.c.
5. CAN L
6. CAN H

ITEMS MARKED "n.c." SHOULD NOT BE CONNECTED

MECHANICAL DIMENSIONS



AUTOZERO FUNCTION (additional function)

available for analog versions in GIB-XY configuration (dual axis)




To activate the **Autozero function** make sure that:

- sensor is powered
- fixing surface is free of dust or grease
- sensor is fixed on the horizontal plane with suitable screws



ATTENTION!

The Autozero function can be defined **within a maximum range of +/- 4.5°** from the original zero position (factory set).

Hold the **magnetic pen** ① (accessory to order-PKIT312) to the **ZERO POINT**  indicated on the product label ②.

Hold the position for **at least 3-5 seconds** so that the operation is successful.

①

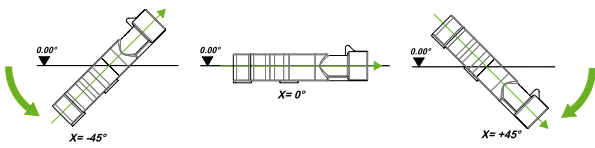
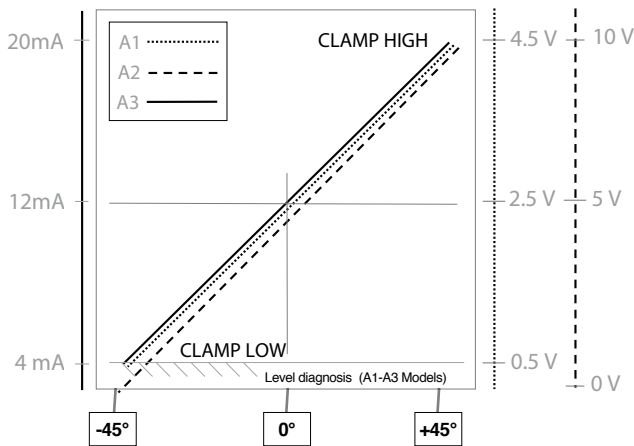


②

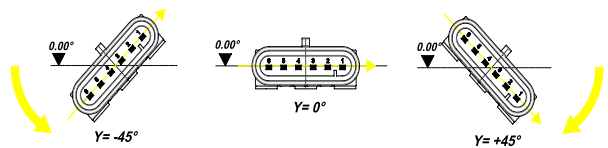
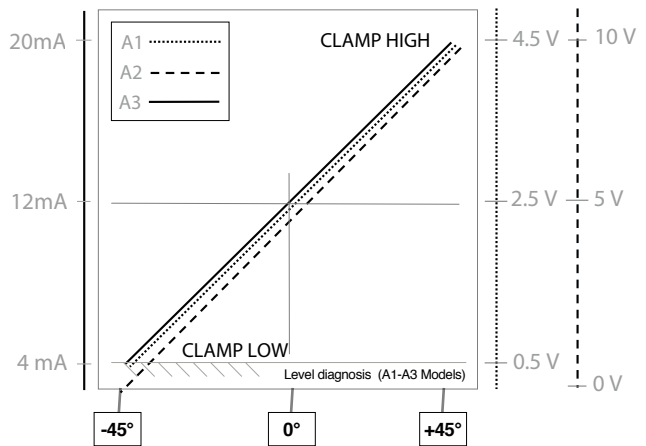


FUNCTIONS: SENSOR OUTPUT GRAPH

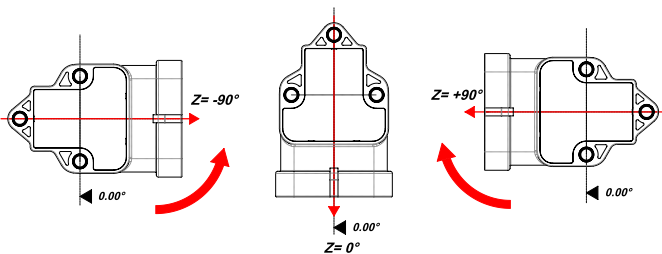
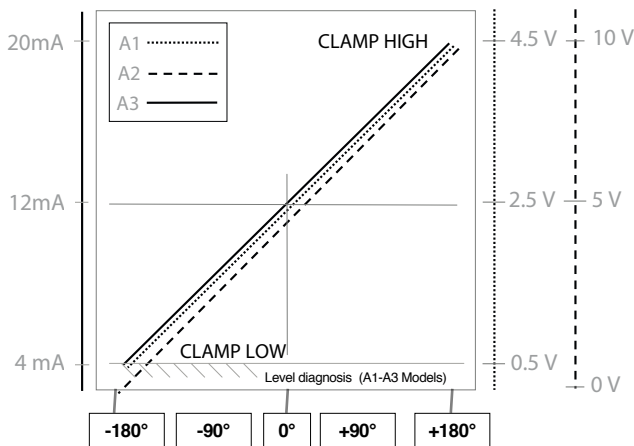
DUAL AXIS TILT SENSOR (XY) - X AXIS



DUAL AXIS TILT SENSOR (XY) - Y AXIS



SINGLE AXIS TILT SENSOR ($\pm 180^\circ$) - Z AXIS



LOAD CONDITIONS

+0.5Vdc...+4.5 Vdc output with power +10...36Vdc and +0..10Vdc output with power +11..36Vdc: it is recommended a load resistance > 100 K Ω

+0.5Vdc...+4.5 Vdc output with power +5 Vdc: it is recommended a load resistance > 10 K Ω

+4...20 mA output with power < 15Vdc up to 10Vdc: the maximum load resistance is admissible 200 Ω

+4...20 mA output with power > 15Vdc up to 36Vdc: the maximum load resistance is admissible 500 Ω

ORDERING CODE

GIB - SINGLE/DUAL AXIS ENTRY LEVEL TILT SENSOR (XY/360°)

ELECTRICAL CONNECTIONS	
AMP Superseal 6P connector output	A
Cable output (specify cable length)	F

AXIS TYPE	
Dual axis (XY axis)	O
Single axis (Z axis)	V

MEASURING RANGE	
measuring range (indicate) ±10° ±15° ±20° ±30° ±45° ±60° ±85° (single axis Z for analogue output-dual axis XY); 360° (±180°) for single Z axis only	XXX

MEASURING RANGE (NOT available)	
(redundant option NOT available)	000

SUPPLY VOLTAGE	
+5Vdc (only for A1 output)	L
+10...+36Vdc (see output signal for right supply voltage)	H

OUTPUT TYPE	
+0.5...+4.5Vdc output (available with supply L = ratiometric output and with supply H = 0.5...4.5V output)	A1
0...+10Vdc output (powered at +11...+36Vdc)	A2
4...20mA output (powered at +10...+36Vdc)	A3
CANopen output (powered at +10...+36Vdc)	C1

CABLE	
Cable without connector (always "0" in case of GIB-A version)	0
Cable (100mm) + M12 5 pin male overprinted connector	1

CERTIFICATE	
0	No certificate attached
L	Linearity curve to be attached

ACCESSORIES	
X	No accessories
Y	Magnetic pen (PKIT312)
A	3x spacers for redundant version (BUS027)

CABLE LENGTH	
01	cable 100 mm
02	cable 200 mm
05	cable 500 mm
10	cable 1 m
20	cable 2 m
---	other lengths on request

EXAMPLE OF DESCRIPTION: GIBFV360000HA30 000X01

GIB	F	V	360	000	H	A3	0	0	000	X	01
	cable output	single axis	360°	ND	+10...36Vdc	4...20mA output	cable only		special execution	no accessories	cable 100 mm
								no certificate attached			