



### TILTIX Inclinator

**ADS-020-2-AC00-HE2-PM**

POSITAL  
FRABA



#### General Specifications

Application	2-Axes Position Monitoring and Leveling
Measurement Range	$\pm 20^\circ$
Absolute Accuracy	0.50°
Resolution	0.01°

#### Electrical Specifications

Supply Voltage	10 - 30 VDC (See also Interface: Max Load Resistance)
Power Consumption (no load)	$\leq 0.7 \text{ W}$
EMC: Emitted Interference	DIN EN 61000-6-4
EMC: Noise Immunity	DIN EN 61000-6-2
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes

#### Environmental Specifications

Operating Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
Storage Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
Temperature Gradient	0.004°/ K
Protection Class	IP66/IP67
Shock Resistance	$\leq 100 \text{ g}$ (half sine 6 ms, EN 60068-2-27)
Vibration Resistance	1.5 mm (10 Hz - 58 Hz) & $\leq 20 \text{ g}$ (58 Hz to 2000 Hz)

Data Sheet

Printed at 18-02-2020 09:02

# POSITAL

---

## FRABA



### Mechanical Specifications

Housing Material	Fibre-Reinforced PBT (Polybutylene Terephthalate)
Potting Material	PUR (Polyurethane)
Weight	100 g (0.22 lb)

### Certificates / Lifetime

MTTF	350 years @ 40 °C
Certificates	CE

### Interface

Interface	Analog Current 4 - 20 mA
Settling Time	125 ms
Output Type	Current 4 - 20 mA
Max Load Resistance	270 $\Omega$ @ 10 V DC (500 $\Omega$ @ 15 V DC)
Linearity	$\pm$ 0.02%

# POSITAL

## FRABA



### Electrical Connection

Connection Type	Connector M12
Connector	M12, Male, 8 pin, a coded

### Product Life Cycle

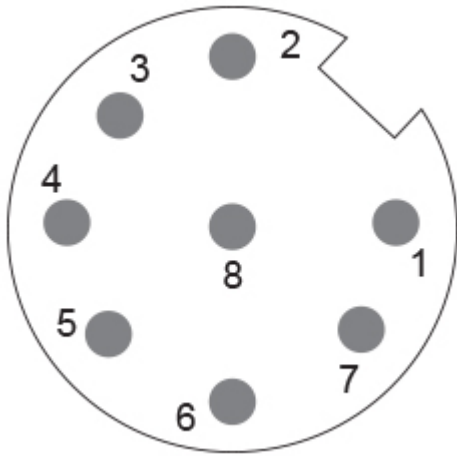
Product Life Cycle	Established
--------------------	-------------

### Certification

Approval	CE + cULus
----------	------------

# POSITAL

## FRABA



### Connection Plan

SIGNAL	PIN NUMBER
Power Supply	1
GND	4
X-Axis, Current Output	5
Y-Axis, Current Output	7
Set1	6
Do Not Connect	8
Do Not Connect	2
Do Not Connect	3

### Dimensional Drawing

#### [2D Drawing](#)

#### Accessories

##### Connectors & Cables

5m PUR Cable, 8pin, A-Coded, f

10m PUR Cable, 8pin, A-Coded, f

2m PUR Cable, 8pin, A-Coded, f

10m PUR Cable, 8pin, A-Coded, f

M12, 8pin A-Coded, Female

More

##### Displays

AP22-D0 Analog Display (4 dig. o/p)

DiMod-A Analog Display

Data Sheet

Printed at 18-02-2020 09:02



### Contact



Contact Us

All dimension in [inch] mm. This drawing and the information contained is for general presentation purposes only. Please refer to the "Download" section for detailed technical drawings. © FRABA B.V., All rights reserved. We do not assume responsibility for technical inaccuracies or omissions. Specifications are subject to change without notice.