

1. Safety notes

1.1 Installation and startup

The rotary transducer must be installed by qualified personnel in consideration of all relevant safety regulations. In case of unauthorized modifications, non-permitted usage or non-observance of installation instructions, the warranty and liability claims will be lost. All personal protection measures in case of a transducer defect or failure must be taken before startup.

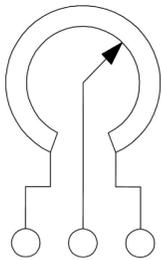
1.2 Electrical connections

The specified supply voltage is to be applied only at the terminals provided. Non-observance of the pin configuration will result in destruction of the device and loss of warranty.

Please always check the connections carefully before turning on the system.

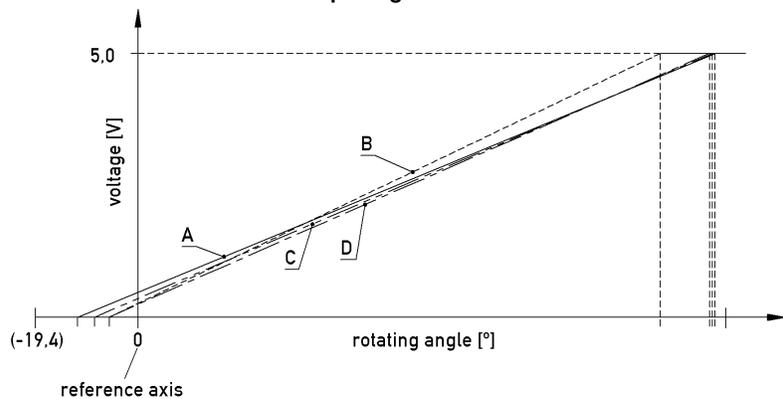
2. Installation

2.1 Terminal diagram



Voltage divider free of load!
Wiper current
 $I_e \leq 1\mu A$

2.2 Output Signal



Values are valid for an applied supply voltage of 5V

3. Types

Article Code	Resistance	Electrical Angle	max. Voltage	Chart	connector type	Output connector		
						PIN 1	PIN 2	PIN 3
SP 5001 120 001 001	2 kOhm	120°	18 VDC	A	AMP Junior Power Timer C-282191	GND	Signal	Supply
SP 5001 104 002 002	2 kOhm	104°	18 VDC	B				
SP 5001 120 003 001	4 kOhm	120°	23 VDC	A			Supply	Signal
SP 5001 117 004 001	4 kOhm	117°	23 VDC	C			Signal	Supply
SP 5001 114 005 001	4 kOhm	114°	23 VDC	D			Signal	Supply

SP 5001 Instructions for Use

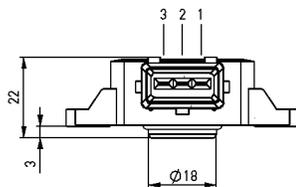
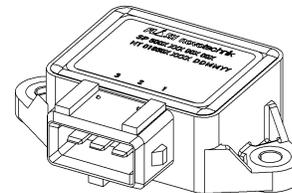
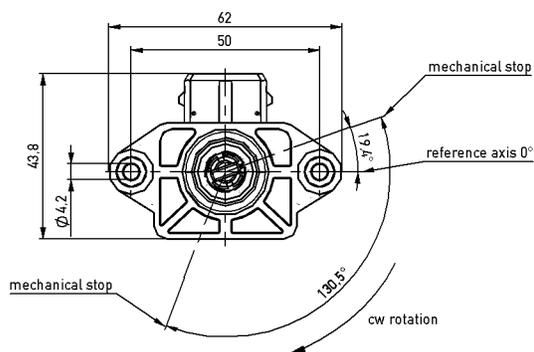
4. Installation Instructions:

Pay attention to the maximum tightening torque of 2,5 Nm when fastening the mounting screws on the flange of the device.
Because of the brass bushings, washers are not required.

To ensure proper sealing, before installation of the sensor the presence and proper location of sealing ring has to be checked.

After disassembly of the sensor the o-ring must be replaced, otherwise the sealing function can not be guaranteed.

5. Dimensions



Z000-2242

6. Mounting Interface :

