

- 2/2-Way NC with integrated pressure sensor
- Extremely fast switching times
- Very small design with an outer diameter of 7 mm
- Long service life



TECHNICAL DATA

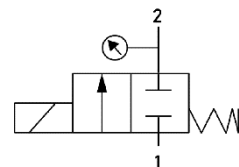
Function	2/2 NC
Pneumatic connection	Cartridge
Orifice size	0.3 mm
Weight	4 g
Mounting position	any
IP protection class (scope of delivery)	IP50
Operating pressure	0 – 7 bar(a)
Pressure resistance	20 bar(a)
Flow rate with air @ max. pressure	> 5 l/min
Flow coefficient kv	> 0.03 l/min
Temperature range, environment	5 – 50 °C
Temperature range, medium	5 – 50 °C
Temperature range, storage	5 – 50 °C
Internal tightness	< 1 ml/min
External tightness	< 1 ml/min
Media quality	≤ 10 µm
Media	Air and inert Gases, others upon request



ELECTRICAL DATA - VALVE

Electrical connection	Flex PCB / cable
Length electrical connection	45 mm
Required Molex connector type	505110-0692
Nominal voltage	24 V DC
Nominal coil resistance @ 20 °C	495 Ω
Nominal power consumption	1,2 W
Thermal resistance (no flow)	approx. 130 K/W
Permitted Duty cycle (no flow)	70 %

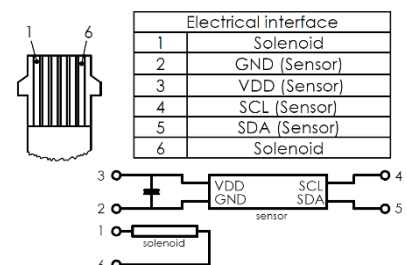
PNEUMATIC SYMBOL



ELECTRICAL DATA - SENSOR

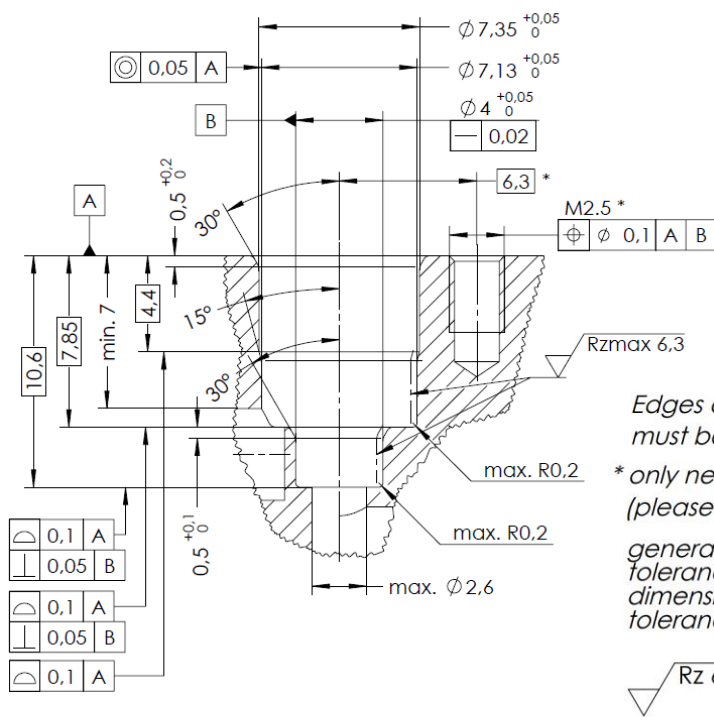
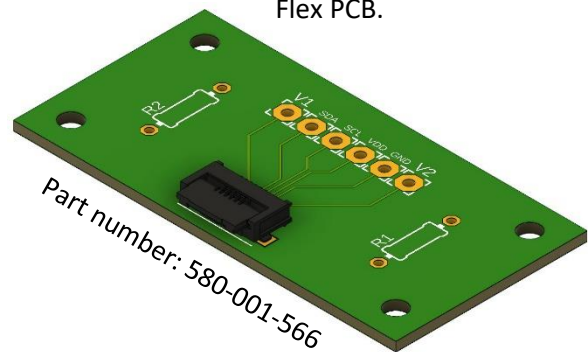
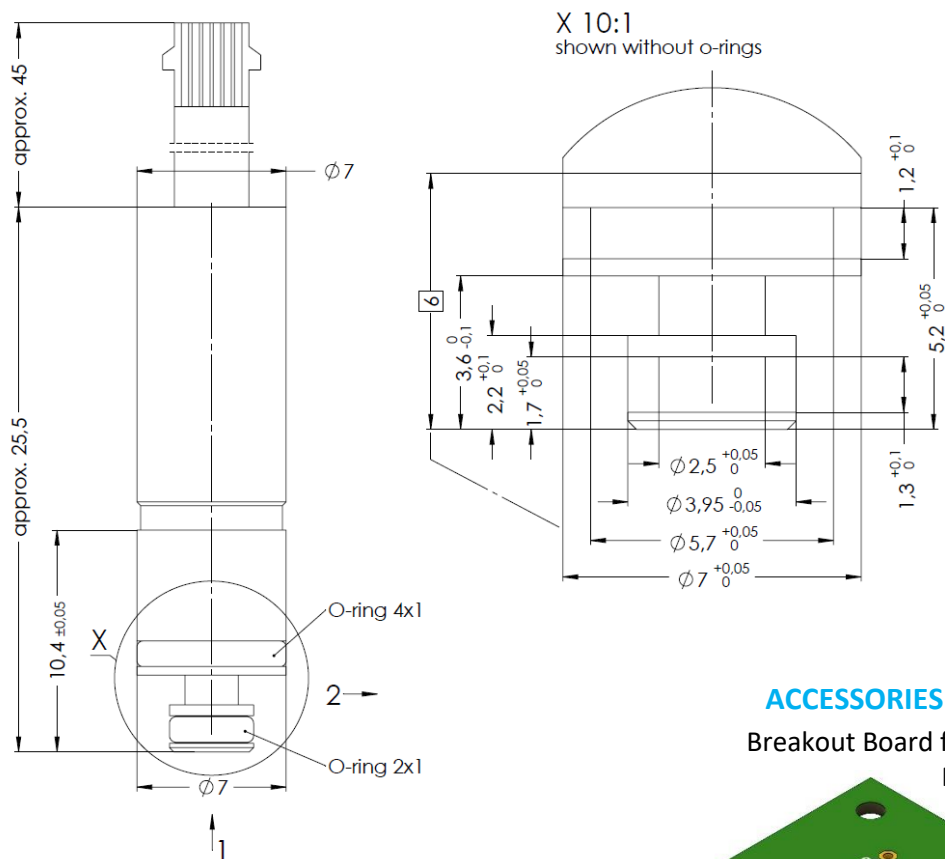
Sensor	TE MS5849-07BA
Communication	I2C
Supply voltage	3.3 V DC
Sampling rate	0.33 – 16.4 ms
Resolution @ 0.33 ms sampling rate	0.144 mbar
Resolution @ 16.4 ms sampling rate	0.016 mbar
Absolute accuracy in range 0.3 – 7.0 bar(a)	± 20 mbar
Absolute accuracy in range 0.3 – 1.2 bar(a)	± 2 mbar

SENSOR INTERFACE



WETTED MATERIALS

1.4305, 1.4105, 1.4310
 FKM, Fluoroprene, Loctite 603, Klüberalfa YV93-302, Sensor materials



$$\sqrt{Rz\ 6,3} \quad \left(\sqrt{Rz_{max}\ 6,3} \right)$$