

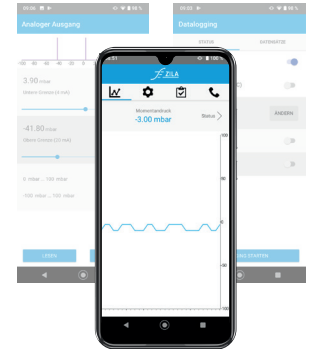
ZT-S FUNCTIONAL SAFE PRESSURE TRANSMITTER (SIL2)

ZT-S

Functionally safe pressure transmitter

Reliable pressure measurement and optimal process monitoring thanks to the ZT series. Developed for high demands and safety-critical applications

- ✓ Safe measurement of pressures up to 500 bar
- ✓ Versatile application possibilities due to flexible design of the connections
- ✓ Industrially suitable and fail-safe design with integrated self-test functions
- ✓ Media compatible with all media compatible with stainless steel
- ✓ Low total error due to electronic calibration
- ✓ Long-term tightness and stability due to monocoil approach



Technical data

Characteristics

| | |
|---------------------------|-------------------------------------|
| Operating voltage | 12...32 V DC (max. 0,2 W) |
| Dimensions | Ø 22 x 59 (D x H), SW22 |
| Housing | Stainless steel |
| Messbereich Nennndruck | -1...500 bar variable selectable |
| Overload pressure | 2x nominal pressure |
| Bursting pressure | 4x nominal pressure |
| Protection class | IP65 |

Operating conditions

| | |
|---------------------|----------------------------------|
| Print type | Relative pressure |
| Media temperature | -40 ...+125 °C -20 ...+125 °C |
| Ambient temperature | -40 ...+105 °C |

Electrical connections

| | |
|------------------------|--------------------------------------|
| Standard connection | Binder M12 x 1 |
| Standard output signal | ZILA-DIO protocol More on request |

Measurement parameters

| | |
|---------------|-------------------------------|
| Response time | 27 ms |
| Total error | ≤ 0.5 % FS in the comp. range |

Process connection

| | |
|----------------------------|---|
| Standard relative pressure | G 1/4" internal thread others on request |
|----------------------------|---|

Possible applications

- ✓ Refrigeration systems and heat pumps
- ✓ Ventilation, heating and climate technology
- ✓ Filter and pump monitoring
- ✓ Hot water and steam boiler monitoring
- ✓ Process measurement technology
- ✓ Mechanical and plant engineering

Technical modifications reserved.

Sales and consulting
ZILA GmbH

Phone: +49(0)3681-8673020
Hollandsmühle 1

Email: info@zila.de
98544 Zella-Mehlis

ES-2.. ELECTRONIC SAFETY SWITCHING DEVICE FOR PRESSURE MONITORING

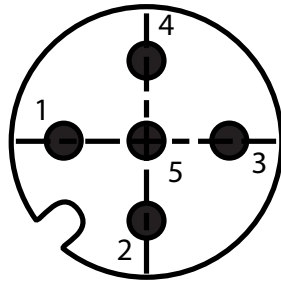
Wiring diagram of the cable plugs

Stecker 1: 5-polig M12

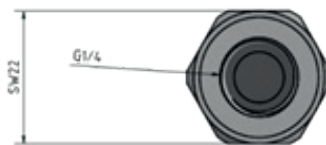
A-kodiert

Pin assignment (male):

- 1: GND
- 2: 12...32 V DC (max. 0,2 W)
- 3: Digital I/O (Communication to ES2x)
- 4: n.c. / not connected
- 5: n.c. / not connected



Gerätebauform und -abmessungen



Smartphone App



- ✓ Retrieval of setting and test protocols
- ✓ Comfortable setting of limit values & delay times
- ✓ Configuration of the device
- ✓ Management of multiple devices

More information: www.zila.de/es20

Test the app now!

Modellnummer

Basic designation

Measurand

— = z.B. 60 for 60 bar

Output signal

- 0010 = Analogue 0...10 V
- 0545 = Analogue 0,5...4,5 V
- 0420 = Analogue 4...20 mA
- ZDIO = ZILA-DIO protocol

Electrical connection

- A = DIN EN 175301-803 A
- C = DIN EN 175301-803 C
- M = Binder M12x1

Process connection

- 0 = G 1/4" (Female)
- 1 = G 1/4" ISO 1179-2 (Male-E)
- 2 = NPT 1/4"

ZT-S - [] - [] - [] - []

Technical modifications reserved.

Sales and consulting
ZILA GmbH

Phone: +49(0)3681-8673020
Hollandsmühle 1

Email: info@zila.de
98544 Zella-Mehlis

CONDITIONING LONG LIFE
ZILA
www.zila.de