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

ES-22

Pressure limiter | Pressure monitor | Safety pressure limiter

Two functions combinable in one device Type-tested, according to 2014/68/EU

- Easy and highly precise limit value setting
- Robust and fail-safe design with integrated selftest functions for industrial applications
- Indication of measurements and alarms via display
- ✓ Wide range of service functions and data logging
- On-site operation on the unit and via smartphone



Technical data

Characteristics

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Operating voltage	1632 V DC (max. 5,9 W)		
Dimensions	150 x 60 x 42 mm (LxWxH)		
Housing	Anodised aluminium		
Parts in contact with the medium	Stainless steel (relative pressure version)		
Protection class	IP65		
Operating conditions			
Pressure type	Relative pressure Differential pressure		
Media temperature	-40+125 °C		
Ambient temperature	-20+65 °C		
Process connection			
Relative pressure version	G ¼" internal thread		
Differential pressure version	G 1/8" internal thread		
Adapter upon request			
Electrical connections			
Analogue current output	1x 420 mA		
Digital inputs/outputs	Configurable as 2x alarm or 1x alarm and 1x remote unlocking		

Load capacity of the switching contacts

Load capacity of the switching contacts				
	(24 V) 40 V) (200 V)	AC1: AC3: AC16:		
	Relative pressure		Differential pressure	
Measuring range nominal pressure	-1500 bar variably selectable		01 mbar 010 mbar 050 mbar 0100 mbar 0250 mbar 01,000 mbar	
Overload pressure	2x nominal pressure		10x nominal pressure	
Bursting pressure	4x nominal pressure		15x nominal pressure	
Setting accuracy	0.1 % of nominal pressure			
Other measuring ranges upon 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.

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Wiring diagram of the cable sockets and connectors

Connector 1: 5-pin M12 A-coded

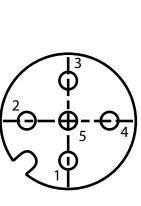
Pin assignment (male):
1: GND
2: 16...32 V DC (max. 3.2 W)
3: Digital I/O 1 (configurable)
4: Current output (4...20 mA)
5: Digital I/O 2 (configurable)

Connector 2: Rectangular connector, according to EN 175301 form A

1 and 2: Switching channel 1 3 and 4: d.n.c. / do not connect

Connector 3: 5-pin M12 A-coded

Pin assignment (female):
1: GND
2: Supply for ZT-S...
3: Digital I/O (communication to ZT-S...)
4: n.c. / not connected
5: n.c. / not connected



Achtung Kontakt 4 🛓 nicht mit Erde verbinden

Smartphone App



Retrieval of setting and test protocols

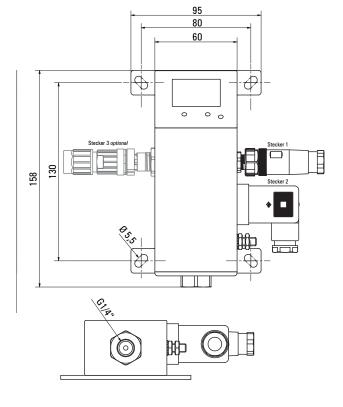
Comfortable setting of limit values & delay times

Configuration of the device

Management of multiple devices

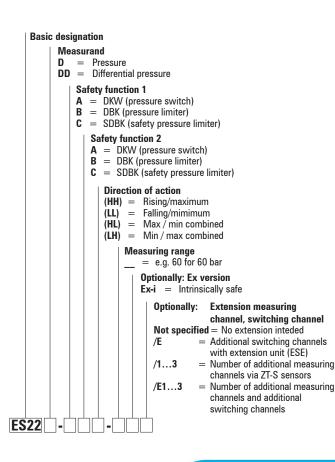
More information: www.zila.de/es20

Test the app now!



Device design and dimensions

Model number



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