IPF ELECTRONIC

DATA SHEET DW353126 • Subject to alteration! Version: 04.07.2019

DW353126

PRESSURE SENSORS • CONNECTION G1/4" OUTSIDE

Pressure sensors are suitable for measuring different media with high accuracy. They are available with switching output and/or analog output. Using PC software, the measured values can be recorded depending on the device type. These sensors can be used in all areas of e.g. pneumatic and hydraulic applications.

MECHANICAL DATA

Ambient temperature (MAX)	80 °C
Ambient temperature (MIN)	-20 °C
Bursting pressure	2500 bar
Degree of protection (IP)	IP65
Explosion-proof	No
For gaseous media	Yes
For liquid media	Yes
Housing design	Cylinder plain
Housing material	PA 6.6 (synthetic)
Max. operating pressure	600000 hPa
Max. operating pressure	600 bar
Medium temperature (MAX)	80 °C
Medium temperature (MIN)	-20 °C
Nominal pressure	400 bar
Sensing element material	Stainless steel 1.4435
Sensor diameter	38 mm
Sensor length	122 mm
Thread length	14 mm
Thread pitch	1.34 mm
Type of pressure connection	G1/4 inch A
With hand operation	No

ELECTRICAL DATA

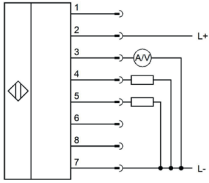|	
Adjustable hysteresis	Yes
Damping (analog output) MAX	20 s
Damping (displayed value) MAX	20 s
Decay time	5 ms
Electronic version	Yes
End setting (MAX)	400000 hPa
End setting (MIN)	200000 hPa
End value measuring range, pressure	40000000 Pa

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ELECTRICAL DATA

Hysteresis	1 %
Initial setting (MAX)	200000 hPa
Initial setting (MIN)	0 hPa
Initial value of measuring range, pressure	0 Pa
Max. output current	1000 mA
Measurement method	Absolute
Measuring range pressure (MAX)	400 bar
No-load current	60 mA
Number of pins	8
Number of switching outputs	2
Operating voltage (MAX)	32 V
Operating voltage (MIN)	12 V
Peak value memory	Yes
Programmable via software	Yes
Rated operating voltage Ue at DC (MAX)	32 V
Rated operating voltage Ue at DC (MIN)	12 V
Readiness delay	2000 ms
Relative linearity deviation	0.25 %
Relative repeat accuracy	0.1 %
Response time	5 ms
Reverse polarity protection	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Suitable as 2-point control	Yes
Suitable as limiter	Yes
Suitable as monitor	Yes
Switching frequency	125 Hz
Switching output with window function	Yes
Temperature drift	0.2 %
Turn-off delay	20 s
Turn-on delay	20 s
Type of alarm output	PNP
Type of analog output	0 V ... 10 V / 4 mA ... 20 mA / 0 ... 20 mA
Type of electrical connection	Plug-in connection M12
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With display	Yes
With LED display	Yes
With manual on/off switch	No

OTHER DATA

For hydraulic applications	Yes
For pneumatic applications	Yes
Measuring display	Relative

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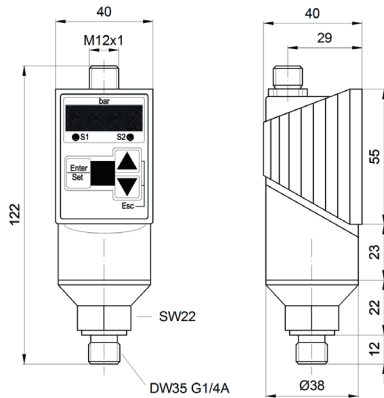**DATA SHEET DW353126** • Subject to alteration! Version: 04.07.2019

CONNECTION

Colors: 1 = WH (white), 2 = BN (brown), 3 = GN (green), 4 = YE (yellow), 5 = GY (gray), 6 = PK (pink), 7 = BU (blue), 8 = RD (red)
Functions: 1 = n. c., 2 = L+, 3 = analog, 4 = PNP NO NC, 5 = PNP NO NC, 6 = n. c., 7 = L-, 8 = n. c.

DIMENSIONAL DRAWING

INSTALLATION

Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL

SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.

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