

DW98C659

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	-40 °C ... 85 °C
Degree of protection (IP)	IP65
Explosion-proof	Yes
For gaseous media	Yes
For liquid media	Yes
Housing design	Cuboid
Housing material	PBT
Medium temperature	-40 °C ... 100 °C
Nominal pressure	0.1 bar
Sensing element material	Ceramics
Sensor height	52.1 mm
Sensor length	89.5 mm
Sensor width	49.4 mm
Thread length	13 mm
Thread pitch	1.34 mm
Type of pressure connection	G1/4 inch A
With hand operation	No

ELECTRICAL DATA

Electronic version	Yes
End setting (MAX)	100 hPa
End value measuring range, pressure	10000 Pa
Initial setting (MIN)	-100 hPa
Initial value of measuring range, pressure	-10000 Pa
IO-Link compatible	No
Measurement method	Relative
Measuring range pressure (MAX)	0.1 bar
No-load current	22 mA
Number of pins	5
Operating voltage	14.5 V ... 30 V
Rated operating voltage Ue at DC	14.5 V ... 30 V

ELECTRICAL DATA

Relative linearity deviation	0.2 %
Short-circuit-proof	Yes
Suitable as 2-point control	No
Suitable as limiter	No
Suitable as monitor	No
Switching frequency	200 Hz
Temperature drift	0.15 %
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Plug-in connection M12
Voltage type	DC
With display	Yes
With manual on/off switch	No

OTHER DATA

For hydraulic applications	Yes
For pneumatic applications	Yes
Measuring display	Relative

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!