

## DW35C677

### 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 FEATURES

Ambient temperature	-20 °C ... 80 °C
Bursting pressure	2500 bar
Degree of protection (IP)	IP65
Explosion-proof	-
For gaseous media	+
For liquid media	+
Housing design	Cylinder plain
Housing material	PA 6.6 (synthetic)
Max. operating pressure	600000 hPa
Max. operating pressure	600 bar
Medium temperature	-20 °C ... 80 °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	-

#### ELECTRICAL FEATURES

Adjustable hysteresis	+
Damping (analog output) MAX	20 s
Damping (displayed value) MAX	20 s
Decay time	5 ms
Electronic version	+
End setting	320000 hPa ... 400000 hPa
Hysteresis	1 %
Initial setting	0 hPa ... 80000 hPa
Max. output current	1000 mA
Measurement method	Absolute
Measuring range pressure	0 bar ... 400 bar
No-load current	60 mA

**ELECTRICAL FEATURES**

Number of pins	4
Number of switching outputs	2
Operating voltage	12 V ... 32 V
Peak value memory	+
Programmable via software	+
Rated operating voltage U <sub>e</sub> at DC	12 V ... 32 V
Readiness delay	2000 ms
Relative linearity deviation	0.25 %
Relative repeat accuracy	0.1 %
Response time	5 ms
Reverse polarity protection	+
Setting procedure	Parameterization
Short-circuit protection	+
Suitable as 2-point control	+
Suitable as limiter	+
Suitable as monitor	+
Switching frequency	125 Hz
Switching output with window function	+
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	+
With LED display	+
With manual on/off switch	-

**OTHER FEATURES**

For hydraulic applications	+
For pneumatic applications	+
Measuring display	Relative

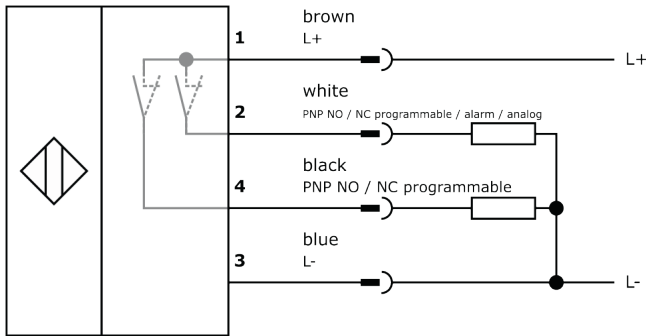
**Other**

Packaging dimensions	99.0mm x 60mm x 160mm
Shipping weight	0.37kg
Tariff code	90262020

**Classification**

ipf product group	700
eClass 8.0	27371814
eClass 9.0	27371814
eClass 9.1	27371814
ETIM-5.0	EC000243
ETIM-6.0	EC000243
ETIM-7.0	EC000243

## Connection



## Dimensional drawing

### Installation



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

### Disposal



### Software

Please download the software or driver required for operating your new device on our homepage: [www.ipf.de](http://www.ipf.de)

### 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.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.