

DW353114

Pressure sensors ● Connection G1/4" outer

pressure sensor, \emptyset 38mm 122long, 0-100bar, 12-32V DC, G1/4 inch A, 2x PNP NC/NO, 0-10V/4-20mA / 0 ... 20 mA, Plug-in connection M12 4pin, IP65, PA 6.6 (synthetic), With display



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.

Electrical features

Electrical features	
Decay time	5 ms
Initial setting	0 - 20000 hPa
Response/decay time	5 ms
Number of switching outputs	2
Display	LED display
Type of switching function	Normally closed contact/normally open contact
Type of alarm output	PNP
Type of analog output	0V 10V / 4mA 20mA / 0 20mA
Type of electrical connection	Plug-in connection M12
Type of switching output	PNP
Turn-off delay	0 - 20 ms
Rated switching current	250 mA
Readiness delay	2000 ms
Operating voltage (DC)	12 - 32 V
Damping (analog output)	20 s
Damping (displayed value)	20 s
Turn-on delay	0 - 20 s
Adjustable hysteresis	Yes
Setting procedure	Parameterization
End setting	80000 - 100000 hPa



Suitable as 2-point control	Yes
Suitable as limiter	Yes
Suitable as monitor	Yes
Short-circuit protection	Yes
No-load current	60 mA
Measuring range pressure	0 - 100 bar
Measurement method	Absolute
Number of pins	4
Relative hysteresis	1 %
Relative linearity deviation	0.25 %
Relative repeat accuracy	0.1 %
Switching output with window function	Yes
Switching frequency	125 Hz
Voltage drop	2 V
Peak value memory	Yes
Temperature drift over entire measuring range	0.2 %
Programmable via software	Yes
Reverse polarity protection	Yes

Mechanical features

Type of process connection	G1/4 inch A
Design	Cylinder plain
Bursting pressure	900 bar
Sensor diameter	38 mm
For liquid media	Yes
Thread length	14 mm
Thread pitch	1.34 mm
Length	122 mm
Max. operating pressure	150 bar
Medium temperature	-20 - 80 °C

Other features

For hydraulic applications	Yes
For pneumatic applications	Yes
Suitable media	Gases
Measuring display	Relative

Classification

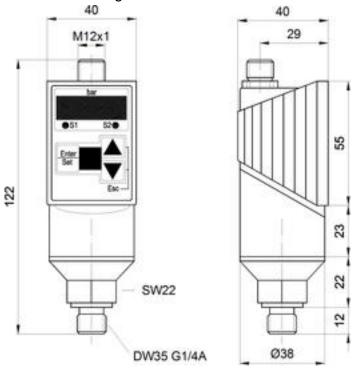
eClass 7.0	27371814
eClass 7.1	27371814
eClass 8.0	27371814
eClass 9.0	27371814
eClass 9.1	27371814
ETIM 8	EC000243 Druckschalter



More

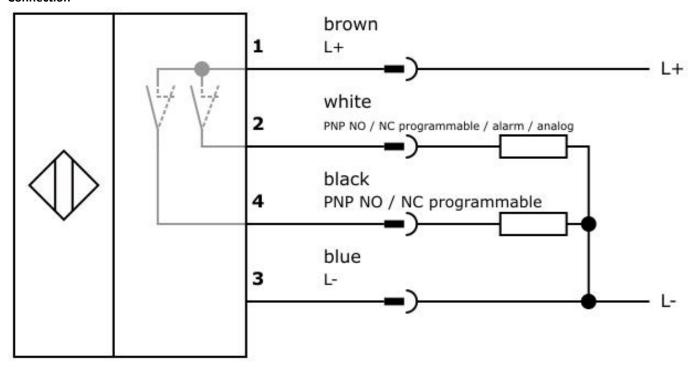
IPF Product Group	360 pressure sensors
packaging dimensions	160 x 99 x 60 mm
gross weight	370 g
Customs tariff number	90262020
WEEE number	40951076

Dimensional drawing





Connection



Installation Disposal



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



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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com