IPF ELECTRONIC

Data sheet **DW98C915** • Subject to alteration! Version: 30.04.2020

DW98C915
PRESSURE SENSORS • CONNECTION G1/4" OUTER

pressure sensor, 0-20bar, 26-22V DC, G1/4 inch, 26-22V DC, 85°C, 2x PNP NC/NO, 4-20mA, Plug-in connection M12 5pin, IP65, PA 6.6 (synthetic), With display

MECHANICAL FEATURES

Ambient temperature	-25 °C ... 85 °C
Degree of protection (IP)	IP65
Explosion-proof	-
For gaseous media	+
For liquid media	+
Housing design	Special construction
Housing material	PA 6.6 (synthetic)
Max. operating pressure	20000 hPa
Max. operating pressure	20 bar
Medium temperature	125 °C ... -40 °C
Nominal pressure	20 bar
Sensing element material	Stainless steel 1.4305
Thread length	12 mm
Thread pitch	1.34 mm
Type of pressure connection	G1/4 inch
With hand operation	-

ELECTRICAL FEATURES

Adjustable hysteresis	+
Hysteresis	0.5 %
Measurement method	Relative
Measuring range pressure	0 bar ... 20 bar
No-load current	60 mA
Number of pins	5
Number of switching outputs	2
Operating voltage	26.4 V ... 21.6 V
Peak value memory	+
Rated operating voltage Ue at DC	26.4 V ... 21.6 V
Rated switching current	125 mA
Relative linearity deviation	0.1 %
Relative measurement accuracy	0.5 %
Relative repeat accuracy	0.1 %
Residual ripple	10 %

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ELECTRICAL FEATURES

Reverse polarity protection	+
Setting procedure	Parameterization
Short-circuit protection	+
Suitable as 2-point control	+
Suitable as limiter	-
Suitable as monitor	-
Switching output with window function	+
Temperature drift	0.1 %
Turn-on delay	100 s
Type of analog output	4 mA ... 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 type	DC
With display	+
With LED display	+

OTHER FEATURES

For pneumatic applications	+
Measuring display	Relative

Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.54kg
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
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

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.

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