DT98C785

PRESSURE SENSORS • CONNECTION G1/2" OUTER

pressure transmitter, Ø27mm 53long, 0-10bar, 10-30V DC, G1/2 inch B, 4-20mA, Plug-in connection M12 2pin, IP67, Chromium-nickel steel, Front-flush membrane

MECHANICAL FEATURES

Ambient temperature	-20 °C ... 80 °C
Bursting pressure	42 bar
Degree of protection (IP)	IP67
Design	Cylinder plain
Explosion-proof	-
For gaseous media	+
For liquid media	+
Front-flush membrane	+
Housing material	Chromium-nickel steel
Max. operating pressure	20000 hPa
Max. operating pressure	20 bar
Medium temperature	-30 °C ... 100 °C
Nominal pressure	10 bar
Pressure transmitter	+
Sensing element material	Chromium-nickel steel
Sensor diameter	27 mm
Sensor length	53 mm
Thread length	20.5 mm
Thread pitch	1.81 mm
Type of pressure connection	G1/2 inch B
With hand operation	-

ELECTRICAL FEATURES

Measurement method	Relative
Measuring range pressure	0 bar ... 10 bar
Number of pins	2
Operating voltage	10 V ... 30 V
Rated operating voltage Ue at DC	10 V ... 30 V
Relative linearity deviation	0.5 %
Relative measurement accuracy	0.3 %
Relative repeat accuracy	0.2 %
Response time	10 ms
Reverse polarity protection	+

ELECTRICAL FEATURES

Short-circuit protection	+
Suitable as 2-point control	-
Suitable as limiter	-
Suitable as monitor	-
Temperature drift	0.2 %
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Plug-in connection M12
Voltage type	DC

OTHER FEATURES

For hydraulic applications	+
For pneumatic applications	+
Measuring display	Relative

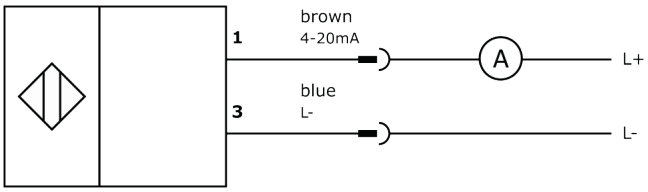
Other

Packaging dimensions	43.0mm x 43.0mm x 105.0mm
Shipping weight	0.2kg
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

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.

ipf electronic gmbh • Rosmarter Allee 14 • 58762 Altena | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf.de • **www.ipf.de**