Pressure Transmitter for Liquid Medium DLM

Product overview

For pressure detection in liquid mediums for the air-conditioning, heating and water. Suitable for plants with refrigerant.

DLM Schrader

DLM G1/4”

Types available

Type code	Type	Description
EXT-TN-1071764	DLM1/A G1/4“	4...20mA, pressure range 0...1 bar, G1/4”
EXT-TN-1071788	DLM2,5/A G1/4“	4...20mA, pressure range 0...2.5 bar, G1/4”
EXT-TN-1071795	DLM4/A G1/4“	4...20mA, pressure range 0...4 bar, G1/4”
EXT-TN-1071801	DLM6/A G1/4“	4...20mA, pressure range 0...6 bar, G1/4”
EXT-TN-1066821	DLM10/A G1/4“	4...20mA, pressure range 0...10 bar, G1/4”
EXT-TN-1066838	DLM16/A G1/4“	4...20mA, pressure range 0...16 bar, G1/4”
EXT-TN-1071832	DLM25/A G1/4“	4...20mA, pressure range 0...25 bar, G1/4”
EXT-TN-1066814	DLM0..40/A 7/16’”	4...20mA, pressure range 0...40 bar, Schrader
EXT-TN-1071696	DLM1/V G1/4”	0...10V, pressure range 0...1 bar, G1/4”
EXT-TN-1071702	DLM2,5/V G1/4”	0...10V, pressure range 0...2.5 bar, G1/4”
EXT-TN-1071719	DLM4/V G1/4”	0...10V, pressure range 0...4 bar, G1/4”
EXT-TN-1071726	DLM6/V G1/4”	0...10V, pressure range 0...6 bar, G1/4”
EXT-TN-1071733	DLM10/V G1/4”	0...10V, pressure range 0...10 bar, G1/4”
EXT-TN-1071740	DLM16/V G1/4”	0...10V, pressure range 0...16 bar, G1/4”
EXT-TN-1071757	DLM25/V G1/4”	0...10V, pressure range 0...25 bar, G1/4”

Technical data

Standards	CE conformity	- 2004/108/EG Electromagnetic compatibility - 2001/95/EG Product safety
	EN conformity	- EN55022 and EN610004-3 EMV - EN61010-1 Product safety
	IEC conformity	- IEC68232 Resistance to shockproof - IEC68206 & IEC68236 Resistance to vibrations
General Data	Measuring element	Stainless steel diaphragm Poly-Si on SiO2 (thin-film resistor)
	Pressure type	Relative pressure
	Overload range	Double nominal pressure
	Bursting pressure	Triple nominal pressure
	Pressure connector	G1/4" or Schrader
	Accuracy	Typical 0.7% full scale in the temperature range -20...85°C
	Ambient temperature	-40...+105°C
	Media temperature	-40...+125°C
	Protection	IP65 according to EN60529
	Weight	90g
Type DLMx/A	Operating voltage	DC 15-24V
	Power consumption	Max. 0.5W
	Output	4-20mA, max. load (Ub-12V) / 20mA
Type DLMx/V	Operating voltage	DC 15-24V(±10%) / AC 24V(±10%)
	Power consumption	Typical 0.15W / 0.3VA
	Output	0-10V, load min. 5kΩ

Security advice ⚠

The installation and assembly of electrical equipment may only be performed by an authorised and skilled electrician.
The modules must not be used with equipment that supports, directly or indirectly, human health or life or with applications that can result in danger for people or animals.

Electrical connection

The devices are constructed for the operation of protective low voltage(SELV). For the electrical connection, the technical data of the corresponding device is valid. Sensing devices with transducer should in principle be operated in the middle of the measuring range to avoid deviations at the measuring end points. The ambient temperature of the transducer electronics should be kept constant.
The transducers must be operated at a constant supply voltage(±0.2V). When switching the supply voltage on/off, power surges must be avoided on site.

Mounting advice

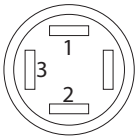
- For connecting the device, the process lines must be unpressurised
- Note the suitability of the device for the medium to be measured
- Note the maximum pressures

Installation

A prerequisite for the operation is a proper installation of all electrical supply, control and sensing leads as well as the pressurised connection line.
Before installing the device, the leak tightness of the pressurised connection lines must be inspected.

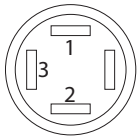
Terminal connection plan

DLMx/V 0...10V Type



1: Out 0...10V
2: GND
3: Uv: DC 15-24V/ AC 24V

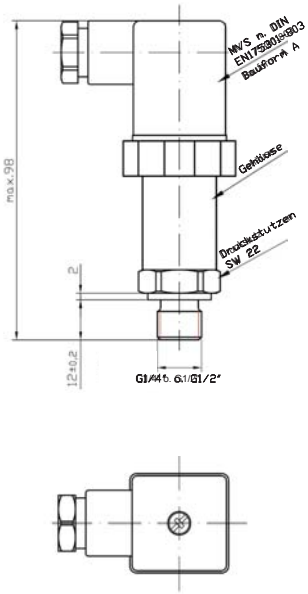
DLMx/A 4...20mA Type



2: Out 4...20mA
3: Uv: DC 15-24V

Dimensions (mm)

DLMx/x G1/4 / DLMx/x G1/4



DLMx/A 7/16-20UNFF Schrader