

Pressure sensor MIREL ST

Type **ST**

Illustrative picture

Pressure sensor ST is intended for measuring of overpressure or absolute pressure in closed systems. Range of scanned pressures is object of specification of the customer. Pressure sensor is equipped with current output for two-wire connection or with serial communication interface RS485. Electric connection is done by a sealed connector (ISO 4400/6952 - DIN 43650). Mechanical mounting is done by the thread M20x1.5F or G1/2"F. Pressure sensor can contain the connection connector (GDM4F) with cable bushing in size PG9, which allows connection with a cable with diameter 6÷9 mm.



Nominal supply voltage: 24 VDC

Range of supply voltage: 12 - 36 VDC

Nomenclature



Modifications

Designation	Version	Measuring range [bar]	Antishock	Wiring connector	Mechanical design	Weight [kg]
ST.I.6	I	0 – 6	–	–	M20x1,5	0,12
ST.I.6G	I	0 – 6	–	–	G1/2"	0,12
ST.I.6K	I	0 – 6	–	GDM4F	M20x1,5	0,15
ST.I.6KG	I	0 – 6	–	GDM4F	G1/2"	0,15
ST.I.A	I	0 – 10	–	–	M20x1,5	0,12
ST.I.AG	I	0 – 10	–	–	G1/2"	0,12
ST.I.AK	I	0 – 10	–	GDM4F	M20x1,5	0,15
ST.I.AKG	I	0 – 10	–	GDM4F	G1/2"	0,15
ST.D.AK	D	0 – 10	–	GDM4F	M20x1,5	0,15
ST.D.AKG	D	0 – 10	–	GDM4F	G1/2"	0,15

Modifications prepared for new applications

No record.

Version

Designation	Description
I	Pressure sensor version with current output in range between 4 and 20 mA
D	Pressure sensor version with RS485 serial communication interface and BMSP protocol

Specifications

The Catalogue sheet was prepared on the basis of the following specifications:

Number	Version	Title
257VZ1	230721	MIREL VZ1 Technical conditions
297RM1	221011	MIREL RM1 Technical conditions
1976RM2	211220	MIREL RM2 Technical conditions
445RS812	080307	MIREL RS812 Technical conditions
890RS813	190124	MIREL RS813 Technical conditions
1294RS361	220420	MIREL RS361 Technical conditions
1760RS363	181011	MIREL RS363 Technical conditions
1420SOL	210712	MIREL SOL Technical conditions
1122VZ1	230802	MIREL VZ1 Installation manual
1598RM1	190515	MIREL RM1 Installation manual
1992RM2	221004	MIREL RM2 Installation manual
420M	221122	ST Installation conditions

Usage

MIREL VZ1 – train protection

MIREL RM1 – registration speedometer

MIREL RM2 – integrated on-board system

MIREL RS812 – control system

MIREL RS813 – control system

MIREL RS361 – control system

MIREL RS363 – control system

MIREL SOL – system of protections

Modifications not recommended for new applications

Designation	Version	Measuring range [bar]	Antishock	Wiring connector	Mechanical design	Weight [kg]	Replacement
ST.I.AT	I	0 – 10	✓	GDM4F	M20x1,5	0,18	Without replacement
ST.I.ATK	I	0 – 10	✓	–	M20x1,5	0,21	Without replacement

Sets not recommended for new applications

Designation	Version	Measuring range [bar]	Antishock	Wiring connector	Mechanical design	Reduction REDST ¹⁾	Weight [kg]	Replacement
STSET.I.6R	I	0 – 6	–	–	M20x1,5	✓	0,25	ST.I.6G
STSET.I.6KR	I	0 – 6	–	GDM4F	M20x1,5	✓	0,28	ST.I.6KG
STSET.I.AR	I	0 – 10	–	–	M20x1,5	✓	0,25	ST.I.AG

¹⁾ REDST = reduction for mounting from the thread M20x1.5F to the thread G1/2”M