REOTEMP 400-0820

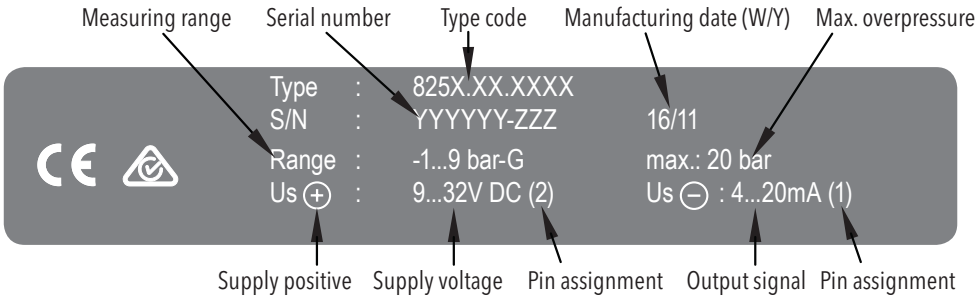
Pressure Transmitter Instructions

8252/8254/8256/8258
Pressure Transmitter
NAT/NAH/NAE/NAR

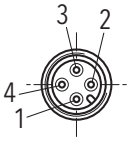
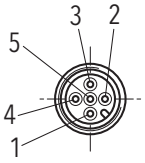
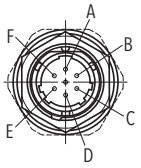
Technical specification

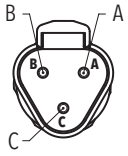
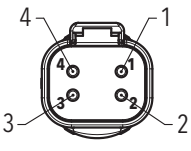
Ambient temperature:	–40°C ... +125°C (NAR 8258: –40°C ... +85°C) (cable PVC 22: –5 ... 60°C) (cable PUR 24: –40 ...70°C) (cable Radox Tenuis 88: –40 ...100°C)
Media temperature:	–40°C ... +125°C (NAR 8258: –40°C ... +85°C)

Type label description (Example)



Electrical connections

Ingress Protection	IP65 1) 2)	IP67 1) 2)	IP67 1) 2)	IP67 1) 2)	IP67 / IP68 2) 3)
Designation	Industrial standard	M12x1 4–pole	M12x1 5–pole	MIL-C 26482	Cable
Type code	**825X.**XX.XXXX.**01**	**825X.**XX.XXXX.**32**	**825X.**XX.XXXX.**35**	**825X.**XX.XXXX.**02**	**825X.**XX.XXXX.**22/24/08/88**
Pin configuration					RD: red BK: black WH: white GN: green BN: brown YE: yellow YE/GN: yellow/green

Ingress Protection	IP67, IP68 1) 4)	IP67, IP68 1) 4)
Designation	DT04 3-pole	DT04 4-pole
Type code	**825X.**XX.XXXX.**D3**	**825X.**XX.XXXX.**D4**
Pin configuration		

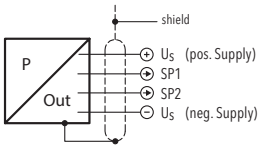
Output	Load resistance	I_{SUPPLY}	U_{SUPPLY}
4 ... 20 mA	see graphic		24 (9 ... 32) VDC
0 ... 6 VDC ranges	≥ 5.0 kΩ to Us –	≤ 20 mA	24 (9 ... 32) VDC
0 ... 10.1 VDC ranges	≥ 5.0 kΩ to Us –	≤ 15 mA	24 (15 ... 32) VDC
0.5 ... 4.5 VDC ratiom.	≥ 5.0 kΩ to Us –	≤ 10 mA	5 (4.75 ... 5.25) VDC
2 PNP Transistors		≤ 10 mA	24 (9 ... 32) VDC
1 PNP Transistor		≤ 10 mA	24 (9 ... 32) VDC

1) Provided female connector is mounted according to instructions
2) Ventilation via male electrical plug/ cable
3) IP68, 20 bar, 30 min. (not for cable 08)
4) IP68, 100 mbar, 4h

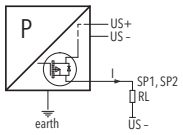
We reserve the right to make alternations as technical progress may warrant.

Connection of the measuring equipment

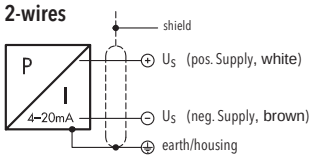
Switching output



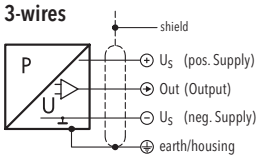
Connection of loads to switch contacts



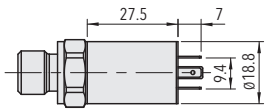
Current output 2-wires



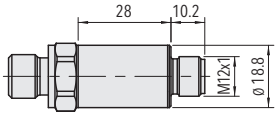
Voltage output 3-wires



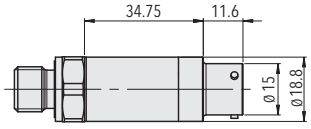
Electrical connections



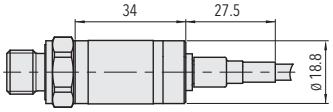
825X.XX.XXXX.**01**.XX.XX



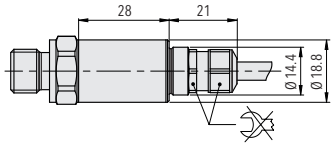
825X.XX.XXXX.**32/35**.XX.XX



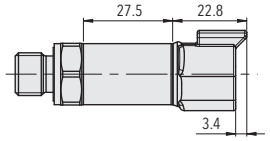
825X.XX.XXXX.**02**.XX.XX



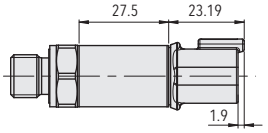
825X.XX.XXXX.**08**.XX.XX



825X.XX.XXXX.**22/24/88**.XX.XX

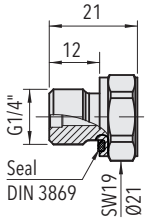


825X.XX.XXXX.**D3**.XX.XX

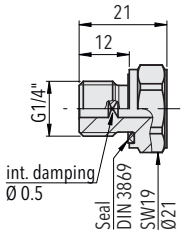


825X.XX.XXXX.**D4**.XX.XX

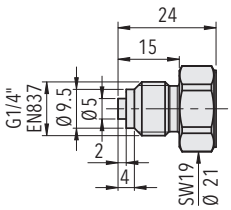
Pressure connections



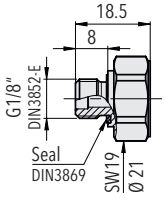
825X.XX.XX**17**.XX



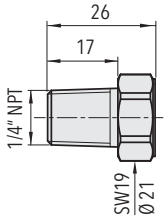
825X.XX.XX**15**.XX



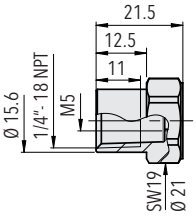
825X.XX.XX**53**.XX



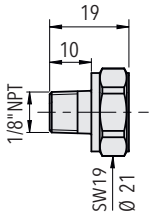
825X.XX.XX**54**.XX



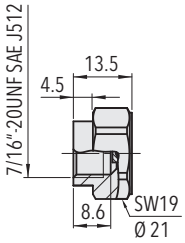
825X.XX.XX**30**.XX



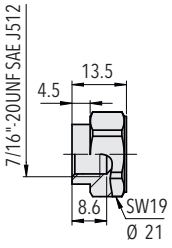
825X.XX.XX**13**.XX



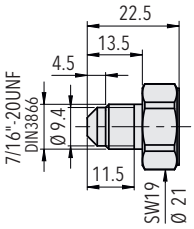
825X.XX.XX**43**.XX



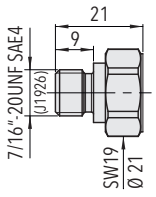
825X.XX.XX**24**.XX



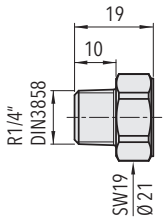
825X.XX.XX**44**.XX



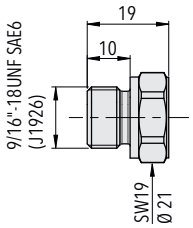
825X.XX.XX**18**.XX



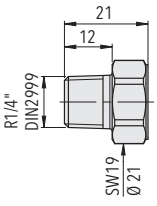
825X.XX.XX**42**.XX



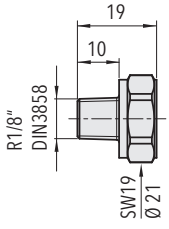
825X.XX.XX**19**.XX



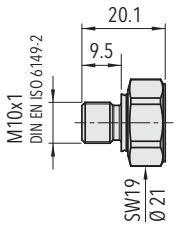
825X.XX.XX**61**.XX



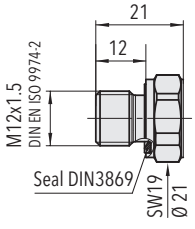
825X.XX.XX**20**.XX



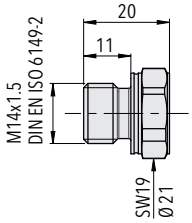
825X.XX.XX**16**.XX



825X.XX.XX**32**.XX



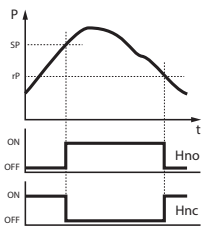
825X.XX.XX**49**.XX



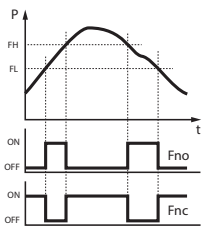
825X.XX.XX**31**.XX

Functions switching output

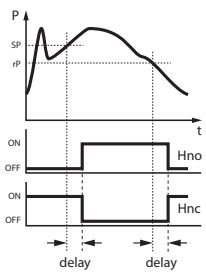
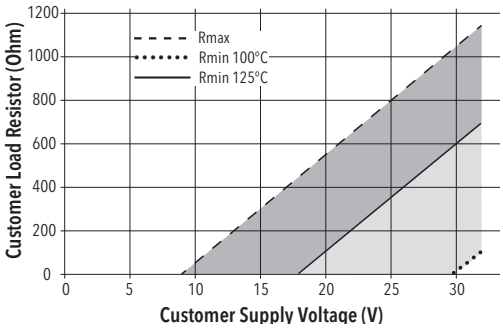
Hysteresis



Window



Delay



4...20mA: min./max resistor vs. supply voltage @ Pmax = 100%