

# Reed contact pressure gauges



Reed contact pressure gauges

## Product features

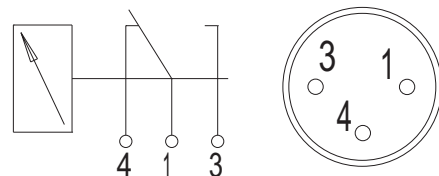
- Reed contact pressure gauge with digital signal
- Compact design by 50 mm body
- Double scale bar / psi
- Easy installation of the pressure gauge without cable
- Using the M8 plug a grey or blue (ATEX) cable can be connected

## Technical data

<b>Sensing device</b>	1.4404 oil and grease free
<b>Nenngröße</b>	50 mm
<b>Connection</b>	stainless steel 1.4571 / 1.4404 oil and grease free - 1/4"-NPT or - G 1/4"
<b>Connector for cable</b>	M8-connector socket
<b>Protection class</b>	IP 54
<b>Contact</b>	Reed contact
<b>Power supply voltage</b>	24 V DC/AC
<b>Current input</b>	0,1 A
<b>Breaking capacity</b>	8 W / 8 VA
<b>Function</b>	contact opens with increasing or decreasing pressure (changeover contact), approaching the adjusted setpoint
<b>Window</b>	Polycarbonate (PC)
<b>Accuracy</b>	Kl. 1,6
<b>Switching accuracy</b>	+/- 2,5 % of full scale
<b>Leak rate</b>	10 <sup>-8</sup> mbar l/s He
<b>Weight</b>	130 g

Art. no.	pressure range	setting range	type of gas	connection	
				bottom	back
<b>1/4" NPT</b>					
66ME0000	-1/+15 RM10	0-13,5 bar	high purity	X	
66ME0001	0/+40 RM20	1-36 bar	high purity	X	
66ME0002	0/+100 RM50	2,5-90 bar	high purity	X	
66ME0003	0/+160 RM100	4-144 bar	high purity	X	
66ME0004	0/+250 RM200	7-225 bar	high purity	X	
66ME0005	0/+400 RM300	10-360 bar	high purity	X	
66ME0006	0/+160 RM100	4-144 bar	high purity		X
66ME0007	0/+250 RM200	7-225 bar	high purity		X
66ME0008	0/+400 RM300	10-360 bar	high purity		X
<b>G 1/4"</b>					
66ME0009	0/+40 RM20	1-36 bar	high purity	X	
66ME0010	0/+100 RM50	2,5-90 bar	high purity	X	
66ME0011	0/+160 RM100	4-144 bar	high purity	X	
66ME0012	0/+400 RM300	10-360 bar	high purity	X	
66ME0013	0/+160 RM100	4-144 bar	high purity		X
66ME0014	0/+400 RM300	10-360 bar	high purity		X

switch function:



## Article numbers for cables:

- 5 m cable grey, straight connector: 66ZM0000
- 5 m cable blue, straight connector: 66ZM0001
- 20 m cable blue, straight connector: 66ZM0002
- 5 m cable grey, angle connector: 66ZM0003
- 5 m cable blue, angle connector: 66ZM0004

The 3 wires of the cable are to be connected to the alarm unit or safety barrier as follows:

1:blue + 3:brown for alarm with falling pressure

1:black + 3:brown for alarm with rising pressure

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## Product features

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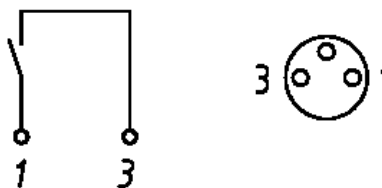
## Technical data

<b>Sensing device</b>	1.4404 oil and grease free
<b>Nominal diameter</b>	50 mm
<b>Connection</b>	stainless steel 1.4571 / 1.4404 oil and grease free - 1/4" NPT or - G 1/4" or - 1/4" VCR-jackscrew
<b>Connector for cable</b>	M8-connector socket
<b>Protection class</b>	IP 54
<b>Contact</b>	Reed contact
<b>Power supply voltage</b>	24 V DC/AC
<b>Current input</b>	0.4 A
<b>Breaking capacity</b>	8 W / 8 VA
<b>Function</b>	contact opens with decreasing pressure, approaching the adjusted setpoint
<b>Scale</b>	bar /psi
<b>Window</b>	Polycarbonate (PC)
<b>Accuracy</b>	Kl. 1.6
<b>Switching accuracy</b>	+/- 2.5 % of full scale
<b>Leak rate</b>	10 <sup>-8</sup> mbar l/s He
<b>Weight</b>	120 g

part-no.	pressure range	setting range	type of gas	connection	
				bottom	back
<b>1/4" NPT</b>					
770.53243	0/+25 RM16	1-4 bar	high purity		X
770.53206	0/+160 RM100	5-25 bar	high purity		X
770.53207	0/+400 RM300	10-60 bar	high purity		X
770.53208	0/+40	1-6 bar	acetylene	X	
<b>G 1/4"</b>					
770.53215	0/+40	1-6 bar	acetylene	X	
<b>VCR-connection</b>					
770.53276	-1/+6 RM4	4.3-5.1 bar *	high purity	X	
770.53277	-1/+15 RM10	11-13 bar *	high purity	X	
770.53278	-1/+15 RM10	0.5-1.5 bar	high purity	X	
770.53279	0/+40 RM20	1-6 bar	high purity	X	
770.53280	0/+100 RM50	5-15 bar	high purity	X	
770.53281	0/+160 RM100	5-25 bar	high purity	X	
770.53282	0/+250 RM200	10-40 bar	high purity	X	
770.53283	0/+400 RM300	10-60 bar	high purity	X	

\* opens with rising pressure

switch function, non-pressurized Type RK1.1



The 3 wires of the cable are to be connected to the alarm unit or safety barrier as follows:

1:blue + 3:brown for alarm with falling pressure

The black wire is not connected

## Applications in explosive environment:

Operating in explosion endangered areas the contact must be used only in intrinsically safe electric systems according to EN 50020.

Within explosion endangered areas a blue or blue marked cable has to be used.

## Part numbers for cables:

- 5 m cable grey, straight connector: 770.53216
- 5 m cable blue, straight connector: 770.53217
- 20 m cable blue, straight connector: 770.53575
- 5 m cable grey, angle connector: 770.53218
- 5 m cable blue, angle connector: 770.53219