code

Diaphragm Pressure Switch
3.10

03.10

Functional and constructive characteristics

Ranges: 0...1 bar/0...25 bar; -1...0 bar.

Electrical specifications: N. 1 SPDT microswitches. (see microswitches table)

Differential: fixed.

Repeatability: - 1% of the full setting value.

Set-point adjustment: internal, micrometric adjustable.

Protection: IP 55 as per IEC 529.

Cable exit: PG 11 cable gland (cables ø 6...11).

Electrical wiring: terminal screw, directly on microswitch.

Earth contacts: N. 1 internal.

Process temperature: max +100°C.

Ambient temperature: -25...+65 °C.

Thermic drift: - 0,05% / °C.

Process connection: anticorodal aluminium blue anodized, 1/4" NPT F.

Elastic element: AISI 316 st.st. diaphragm for pressure ranges - 2,5 bar; carbon steel diaphragm covered with AISI 316 st.st. for pressure ranges 4...25 bar.

Gasket: PTFE.

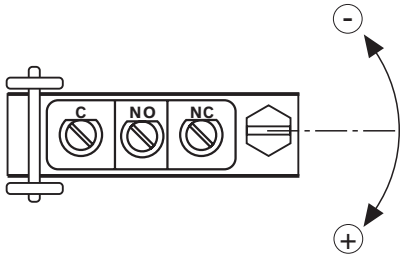
Case: anticorodal aluminium blue anodized.

Cover: anticorodal aluminium yellow anodized.

Tag: AISI 304 st.st. silk-screen painted.

Set-point adjustment

With the cover removed:
the adjusting screw can be turned clockwise to increase the operating pressure and anticlockwise to reduce it.
(see drawing below)



MICROSWITCHES - ohmic load

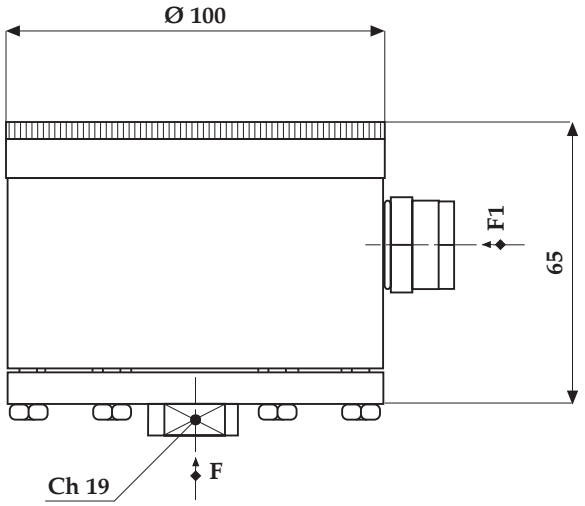
Type	N.1 micro code	250 Vac	125 Vac	125 Vdc	24 Vdc
std.	C	15A	15A	0,5A	2A
splash proof	G	15A	15A	0,5A	2A
goldplated	I		1A		1A
inert gas filled	M	15A	15A	0,5A	2A
goldplated & inert gas filled	N		1A		1A

SETTING RANGES

Setting ranges	Test pressure	Differential 1 MICRO type C,G,M (2)
0,05÷1 bar (1)	1,3 bar	40 mbar
0,05÷1,6 bar (1)	2 bar	40 mbar
0,06÷2,5 bar (1)	3 bar	50 mbar
0,08÷4 bar	5 bar	60 mbar
0,12÷6 bar	8 bar	100 mbar
0,15÷10 bar	12 bar	120 mbar
0,25÷16 bar	20 bar	200 mbar
0,4÷25 bar	30 bar	300 mbar

(1) available also for vacuum & compound.
(2) differential and minimum set-point values for goldplated microswitches (type I,N) are 300% of those shown in table.

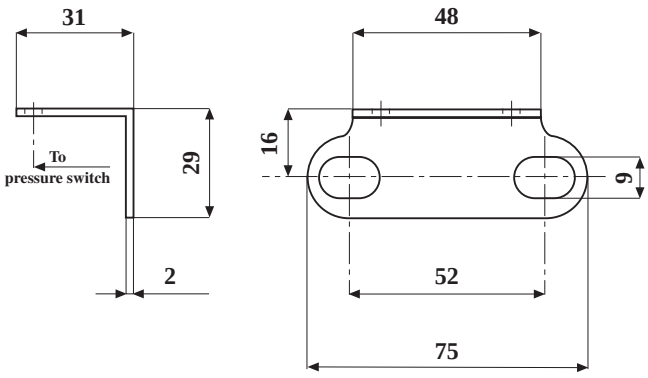
WEIGHT AND DIMENSIONS (mm.)



F = process connection.
F1 = cable exit.

Weight 0,85 Kg.

WALL MOUNTING BRACKET



HOW TO ORDER

	DESCRIPTION & CODE
03	03- section
10	10 - type 3.10
0/10 bar	see setting ranges table
C	see microswitches table
0	Cable exit 0 - PG 11 cable gland (cable ø 6÷11)
23F	Process connection 23F - 1/4" NPT F
0	Process connection material 0 - standard
S15	Options S15 - wall mounting bracket

ACCESSORIES

Diaphragm seals, for pressure ranges ≥ 1 bar: a complete range of diaphragm seals is available with a choice of materials of construction. Specifically for corrosive and difficult process fluids plus hygienic applications. For further details refer to our catalogue, select only diaphragm with ø ≥ 63 mm.

Pigtail and siphons: recommended with temperatures of 65° C (150° F) or over.For further details refer to our catalogue 05.5xx.

Plattenfeder-Druckschalter 03.27
Diaphragm pressure switch 03.27

03.27

Rel. 20160728

Robuster Plattenfeder-Druckschalter 03.27

- auch für hohe Mediumtemperaturen
- auch für aggressive Medien

Rigid Diaphragm pressure switch 03.27

- suitable also for high medium temperature
- suitable also for aggressive media

Schaltkontakte: 1 oder 2 Mikroschalter mit fester Umschaltdifferenz, siehe Rückseite.
Rückschaltdifferenz: fest, oder einstellbar 10...50% vom Einstellbereich bei Druckbereichen ≥1 bar, siehe Rückseite.
Reproduzierbarkeit: ≤1% des Druckbereichsendwertes.
Schaltpunktverstellung: Justierschraube, nach Abschrauben des Gehäusedeckels zugänglich.
Schutzart: IP 65 nach EN 60529 / IEC 529.
Elektr. Anschluss: Lötanschlüsse, siehe Rückseite.
Schutzerde: 1 Innenklemme.
Mediumtemperatur: max. 100°C.
Umgebungstemperatur: -25...+65°C.
Temperaturdrift: ≤0,05% / °C.
Prozessanschluss: Edelstahl AISI 316.
Messelement: Plattenfeder aus Edelstahl AISI 316 bei Druckbereichen ≤2,5 bar; Plattenfeder aus Stahl mit Edelstahlüberzug bei Druckbereichen 4...100 bar.
Dichtung: PTFE.
Gehäuse: Edelstahl AISI 304.
Abdeckhaube: Bajonettring, aus Edelstahl AISI 304.
Typenschild: Edelstahl AISI 304, Siebdruckbeschriftung.

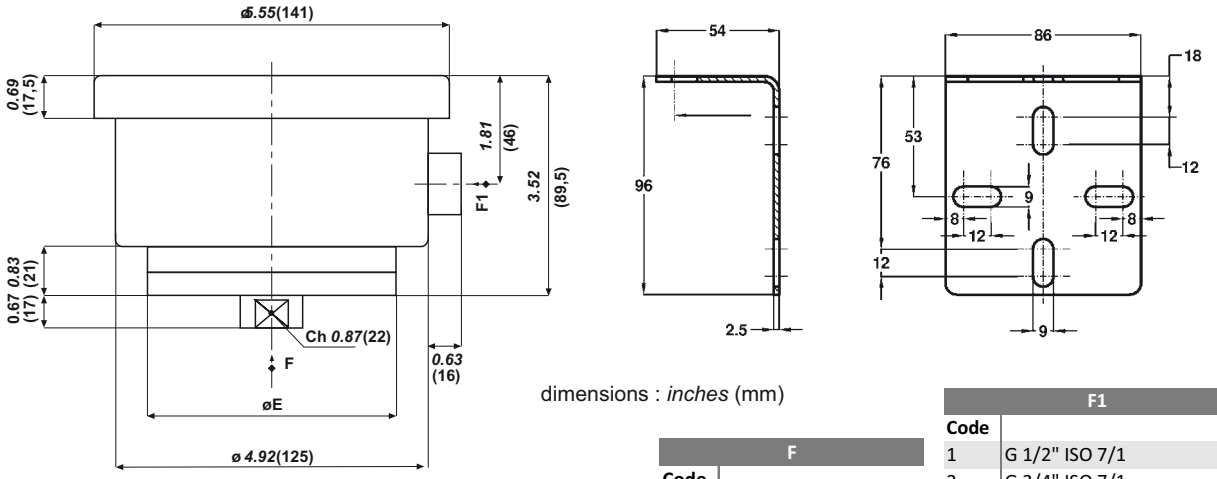
Electr. contact: 1 or 2 SPDT microswitches (see page 2).
Differential: fixed (adjustable 10...50% of setting range for pressure range ≥ 1 bar (see table on page 2).
Repeatability: ≤1% of the full setting value.
Set-point adjustment: internal, micrometric adjustable.
Protection: IP 65 as per EN 60529 / IEC 529.
Electrical wiring: terminal strip.
Earth contact: 1 internal.
Process temperature: max. 100°C / 212°F.
Ambient temperature: -25...+65°C / -13...+149°F.
Thermal drift: ≤0,05% / °C = ≤0,027% / °F.
Process connection: stainless steel AISI 316.
Elastic element: AISI 316 st.st. diaphragm for pressure ranges ≤2,5 bar; carbon steel diaphragm covered with AISI 316 st.st. for pressure ranges 4...100 bar.
Gasket: PTFE.
Case: stainless steel AISI 304.
Cover: stainless steel AISI 304, bayonet lock.
Tag: stainless steel AISI 304, etched.

Einstellbereich Setting range	Betriebsdruck Test pressure	Optional Überdruck / overrange Code F03	Schaltdifferenz **) Differential **)	
			1 Micro	2 Micro
0,7…6 mbar *)	10 mbar		0,5 mbar	
1…16 mbar *)	20 mbar		0,8 mbar	
2…25 mbar *)	30 mbar		1,2 mbar	
5…40 mbar *)	0,5 bar	400 mbar	4 mbar	5 mbar
5…60 mbar *)	0,5 bar	600 mbar	4 mbar	5 mbar
6…100 mbar *)	0,5 bar	1 bar	4 mbar	6 mbar
9…160 mbar *)	0,5 bar	1,6 bar	6 mbar	9 mbar
9…250 mbar *)	1 bar	2,5 bar	6 mbar	9 mbar
15…400 mbar *)	1 bar	4 bar	10 mbar	15 mbar
18…600 mbar *)	1 bar	6 bar	12 mbar	18 mbar
0,06…1 bar *)	1,2 bar	10 bar	25 mbar	60 mbar
0,06…1,6 bar *)	2 bar	16 bar	30 mbar	60 mbar
0,06…2,5 bar *)	3 bar	25 bar	40 mbar	60 mbar
0,08…4 bar	5 bar	40 bar	50 mbar	80 mbar
0,09…6 bar	8 bar	40 bar	60 mbar	90 mbar
0,15…10 bar	12 bar	40 bar	100 mbar	150 mbar
0,25…16 bar	20 bar	40 bar	160 mbar	250 mbar
0,4…25 bar	30 bar	40 bar	250 mbar	400 mbar
0,6…40 bar	48 bar	60 bar	400 mbar	600 mbar
0,9…60 bar	70 bar	80 bar	600 mbar	900 mbar
6…100 bar	120 bar		4 bar	6 bar
8…160 bar	185 bar		5 bar	8 bar

*) auch Vakuum- und Manovakuum-Bereiche / also for vacuum and compound
**) Schaltdifferenz und kleinster Schaltpunkt für Mikroschalter Code I, L, N, R, S, T, U, V ist 300% dieser Tabelle
Differential and minimum set-point values for microswitches code I, L, N, R, S, T, U, V are 300% of those shown in table.

03.27

Plattenfeder-Druckschalter 03.27
Diaphragm pressure switch 03.27



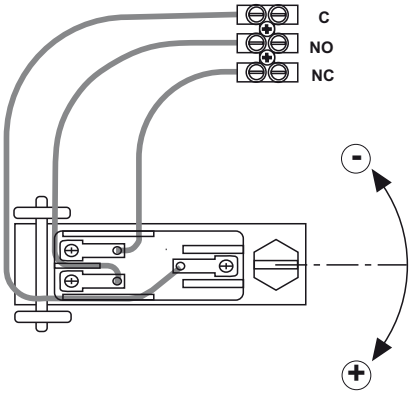
dimensions : *inches* (mm)

Einstellbereich Setting range	E	Gewicht kg	Gewicht lbs
≤ 600 mbar	5.91 inches = 150 mm	3,3	7.27
≥ 1 bar	3.86 inches = 98 mm	2,3	5.05

F	
Code	
23F	1/4" NPT F
43M	1/2" NPT M
43F	1/2" NPT F
41M	G 1/2 B = 1/2" BSP M

F1	
Code	
1	G 1/2" ISO 7/1
2	G 3/4" ISO 7/1
3	1/2" NPT
4	3/4" NPT
A	M20 x 1.5
P11	Cable gland / Kabelmuffe

Schaltpunkt-Einstellung
Set-point adjustment



Mikroschalter - Ausführungen und Schaltleistung
Microswithes - versions and ohmic loads

Einzeln/Doppelt Single/Double	Typ	Type	VAC 250	VAC 125	VAC 24
A / B	standard	Standard	15A	15A	0,1A
G / H	SPLASH	SPLASH *)	15A	15A	0,1A
I / L	goldbeschichtet	goldplated *)	-	1A	0,1A
M / P	Gasgefüllt	inert gas filled *)	15A	15A	0,1A
N / R	goldbeschichtet und gasgefüllt	goldplated + inert gas filled *)	-	1A	0,1A
E	justierbar	adjustable **)	20A	20A	0,1A
S / T	Splash VDC	Splash VDC *)	15A	15A	6A
U / V	Gasgefüllt VDC	inert gas filled VDC*)	15A	15A	6A

*) für Druckbereiche / for pressure ranges ≥ 40 mbar
**) für Druckbereiche / for pressure ranges ≥ 1 bar

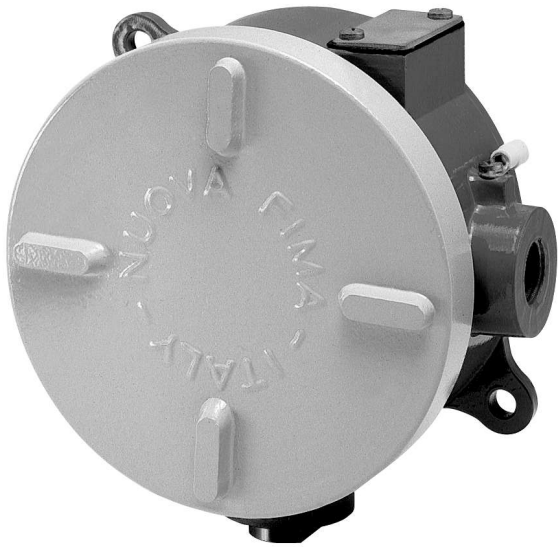
Optionen
Options

Code	Beschreibung / Description	Code	Beschreibung / Description
F03	Spezielle Überdrucksperre Special overspressure stop	**E30**	Ausführung nach NACE MR 01.03 *) NACE MR 01.03 version *)
M26	Membrane aus PTFE PTFE diaphragm	**M23**	Membrane aus Monel Monel diaphragm
S16	Befestigungsbügel (Wandmontage) Wall mounting bracket	**M22**	Membrane aus Hastelloy C Hastelloy C diaphragm
T01	Tropenfeste Ausführung Tropicalization	**M29**	Membrane aus Tantal Tantalum diaphragm
P02	Öl- und fettfrei, für Sauerstoff geeignet Oxygen service	**S31**	Montagebügel für 2"-Rohre 2" stake's mounting bracket

*) Membrane aus Monel oder Hastelloy C erforderlich / Monel or Hastelloy C diaphragm

Bourdon Tube Pressure Switch

3.30



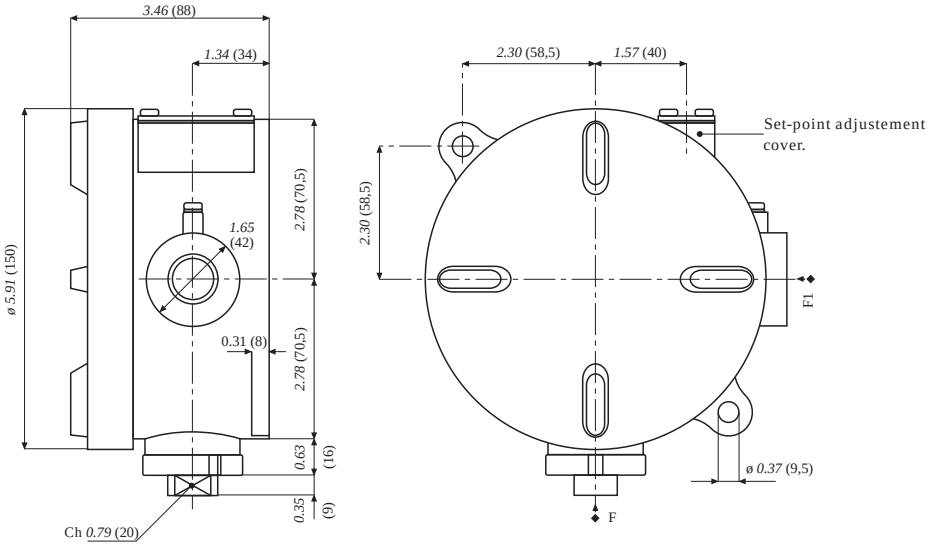
These bourdon tube pressure switches are IP 55, and suitable for a variety of applications such as: food industry, cannery, pharmaceutical, petrochemical, conventional and nuclear power station where the operating pressure is middle-high. They withstand the most unfavourable working conditions, caused by either the process fluid aggressiveness or high ambient temperature.

Ranges: 0...10 / 0...600 bar.
Electrical specifications: N. 1...2 SPDT microswitches (see microswitches table)
Differential: fixed, or adjustable 10%...50% of setting range (see microswitches tables).
Repeatability: - 1% of the full setting value.
Set-point adjustment: internal but also external accessible, micrometric adjustable.
Protection: IP 55 as per IEC 529.
Electrical wiring: terminal strip.

Earth contacts: N. 1 internal, N. 1 external.
Process temperature: *max 752°F* (400°C).
Ambient temperature: *-13...+149°F (*-25...+65 ·C).
Thermal drift: - *0,027% / °F* (- 0,05% / °C).
Process connection: AISI 316 st. st.
Elastic element: AISI 316 L st.st. seamless tube.
Case: aluminium, blue polyurethane painted.
Cover: aluminium, beige polyurethane painted.
Tag: AISI 304 st.st. silk-screen printed.

Setting ranges	Test pressures	Differential 1 micro (1)	Differential 2 micros (1)
0,4...10 bar	15 bar	0,2 bar	0,3 bar
0,7...16 bar	25 bar	0,25 bar	0,5 bar
0,7...25 bar	35 bar	0,3 bar	0,5 bar
1...40 bar	60 bar	0,5 bar	0,7 bar
1,5...60 bar	80 bar	1 bar	1,3 bar
2...100 bar	135 bar	1,4 bar	1,8 bar
4...160 bar	210 bar	2,2 bar	2,9 bar
6...250 bar	350 bar	3,5 bar	4 bar
8...400 bar	500 bar	5 bar	6 bar
10...600 bar	800 bar	7 bar	8 bar

(1) differential and minimum set-point values for goldplated microswitches are 300% of those shown in table.

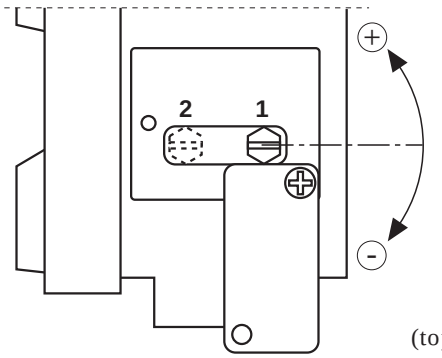


F1 (innen)
R 1/2-ISO 7/1
R 3/4-ISO 7/1
1/2-14 NPT
3/4-14 NPT
cable gland

F (innen)
R 1/2-ISO 7/1
R 3/4-ISO 7/1
1/2-14 NPT
3/4-14 NPT
M20 x 1,5

(dimensions : mm)

Set-point adjustment



(top view)

MICROSWITCHES - ohmic load

Type	250 Vac	125 Vac	125 Vdc	24 Vdc
std.	15A	15A	0,5A	2A
splash proof	15A	15A	0,5A	2A
goldplated		1A		1A
inert gas filled	15A	15A	0,5A	2A
goldplated & inert gas filled		1A		1A
adjustable dead band	20A	20A	0,5A	2A

OPTIONS

Degreasing for oxygen
Tropicalisation
Epoxy painting

”HOW TO ORDER” SEQUENCE

Section / Model / Special version / Set-point Adjustment / Microswitch / Electrical connection / Process connection / Options

Diaphragm Pressure Switches ATEX flameproof enclosure, Types 03.40...03.45

03.40...45

CE Ex II 2GD

These flameproof electrical apparatus comply with European Directive ATEX 94/9/EC, for group II and category 2 GD. They are suitable for a variety of uses in hazardous zones 1, 2, 21 and 22 in which the use of flameproof instrument is required. The sensing element is a metallic diaphragm and acts directly on the microswitch through a self-centering pivot. The simplicity of the design, without levers, cams or similar mechanisms, gives the unit an exceptionally long working life.

40 - Functional and constructive characteristics

Type of ignition protection: EEx d IIC T6 IP65 T85°C, as per EN 50014, EN 50018, EN 50281-1-1.

Ingress protection: IP 65 as per EN 60529.

Certificate: no. 04 ATEX 027, issued by CESI - Milano, notified body no. 0722.

Ranges: 0...1 bar/0...160 bar; -1...0 bar.

Electrical specifications: N. 1...2 SPDT microswitches, or N.1 with adjustable differential. (see microswitches table)

Differential: fixed (adjustable 10%...50% of setting range: code E of microswitches tables).

Repeatability: - 1% of the full setting value.

Set-point adjustment: internal, micrometric adjustable.

Cable exit:1/2-14 NPT F; 3/4-14 NPT F; 1/2" BSP F-ISO 7/1 F; 3/4" BSP F-ISO 7/1 F; M20 x 1,5 F.

Earth contacts: N. 1 internal, N. 1 external.

Process temperature: max 65°C.

Ambient temperature: -20...+65 °C.

Thermal drift: -0,05% / °C.

Process connection: AISI 316 st.st. 1/2" BSP, 1/2-14 NPT M; plane and tower DN15...50, PN6...40 UNI-DIN step seal; 1/2"...2" class 150...600 RF ANSI B16.5.

Elastic element: AISI 316 st.st. diaphragm for pressure ranges - 60 bar; carbon steel diaphragm covered with AISI 316 st.st. for pressure ranges > 60 bar. PTFE gasket.

Case: aluminium, blue polyurethane painted.

Cover: aluminium, beige polyurethane painted.

Tag: AISI 304 st.st., etched.

Tell-tale vents: polypropylene.

45 - Functional and constructive characteristics

Ranges: 0...40 mbar/0...600mbar; -40...0 mbar/-600...0 mbar.

Electrical specifications: N. 1...2 SPDT microswitches. (see microswitches table)

Differential: fixed.

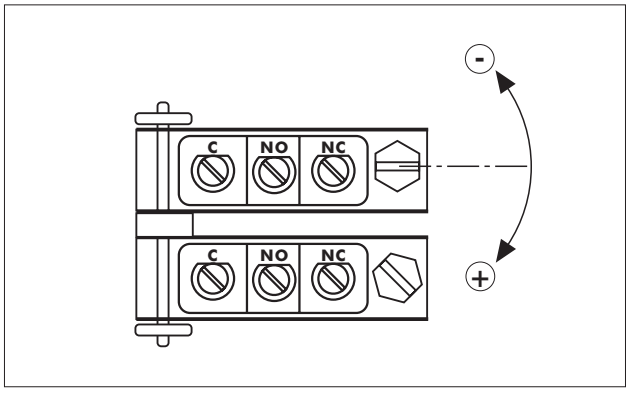
Elastic element: AISI 316 st.st. diaphragm. PTFE gasket.

Process connection: AISI 316 st.st. G 1/2 A, 1/2-14 NPT M; plane DN15...50, PN6...40 UNI-DIN step seal; 1/2"...2" class 150...600 RF ANSI B16.5.

Other features as model 03.40.

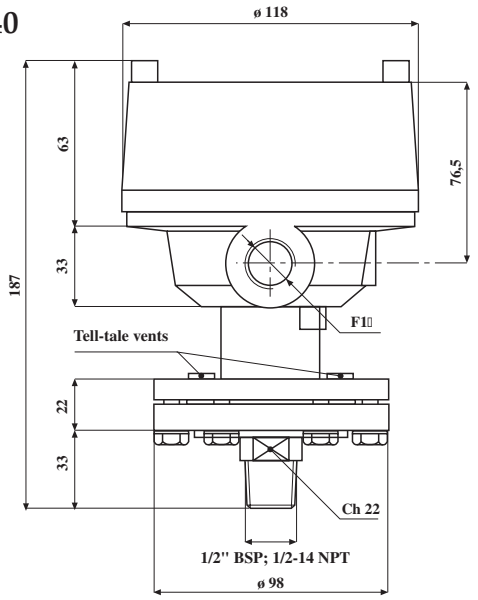
Set-point adjustment

With the cover removed:
the adjusting screw can be turned clockwise to increase the operating absolute pressure and anticlockwise to reduce it. (see drawing below)



THREADED CONNECTION: TYPE, WEIGHTS AND DIMENSIONS (mm.)

40

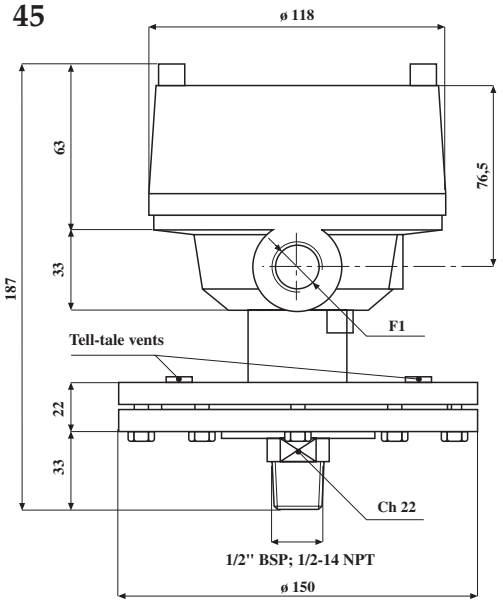


F1 = cable exit; see "Order-Code".
Weight = ~ 3 Kg.

Setting ranges	Test pressures	Special O.P. (option F03)	Differential 1 micro type C,G,M (2)	Differential 2 micro type D,H,P (2)
0,06...1 bar (1)	1,2 bar	10 bar	25 mbar	60 mbar
0,06...1,6 bar (1)	2 bar	10 bar	30 mbar	60 mbar
0,06...2,5 bar (1)	3 bar	10 bar	40 mbar	60 mbar
0,08...4 bar (1)	5 bar	15 bar	50 mbar	80 mbar
0,09...6 bar (1)	8 bar	15 bar	60 mbar	90 mbar
0,15...10 bar (1)	12 bar	20 bar	100 mbar	150 mbar
0,25...16 bar (1)	20 bar	30 bar	160 mbar	250 mbar
0,4...25 bar (1)	30 bar	35 bar	250 mbar	400 mbar
0,6...40 bar	48 bar	60 bar	400 mbar	600 mbar
0,9...60 bar	70 bar	80 bar	600 mbar	900 mbar
6...100 bar	120 bar		4 bar	6 bar
8...160 bar	185 bar		5 bar	8 bar

(1) available also for vacuum & compound.
(2) differential and minimum set-point values for goldplated microswitches (type I,N,L,R) are 300% of those shown in table.

45



F1 = cable exit; see "Order-Code".
Weight = ~ 3 Kg.

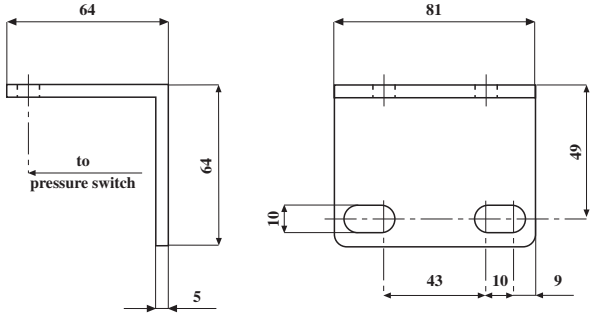
Setting ranges (1)	Test pressure	Differential 1 micro type C,G,M (2)	Differential 2 micro type D,H,P (2)
5...40 mbar	0,5 bar	4 mbar	5 mbar
5...60 mbar	0,5 bar	4 mbar	5 mbar
6...100 mbar	0,5 bar	4 mbar	6 mbar
9...160 mbar	0,5 bar	6 mbar	9 mbar
9...250 mbar	1 bar	6 mbar	9 mbar
15...400 mbar	1 bar	10 mbar	15 mbar
18...600 mbar	1 bar	12 mbar	18 mbar

(1) available also for vacuum & compound.
(2) differential and minimum set-point values for goldplated microswitches (type I,N,L,R) are 300% of those shown in table.

MICROSWITCHES - ohmic load

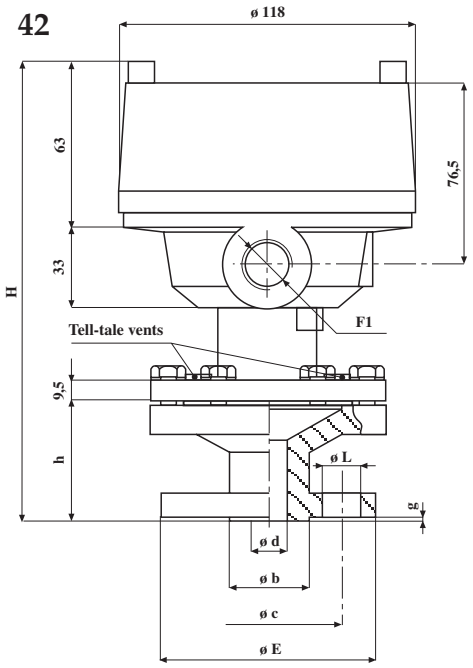
Type	N.1 micro code	N.2 micro code	250 Vac	125 Vac	125 Vdc	24 Vdc
std.	**C**	**D**	15A	15A	0,5A	2A
splash proof	**G**	**H**	15A	15A	0,5A	2A
goldplated	**I**	**L**		1A		1A
inert gas filled	**M**	**P**	15A	15A	0,5A	2A
goldplated & inert gas filled	**N**	**R**		1A		1A
adjustable dead band	**E**		20A	20A	0,5A	2A

WALL MOUNTING BRACKET



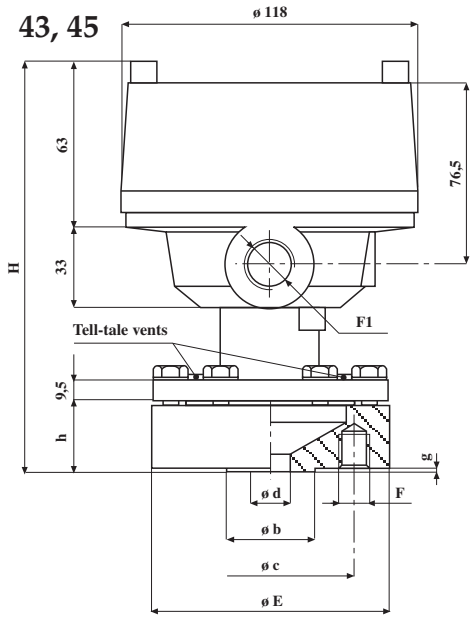
FLANGED CONNECTIONS: TYPE AND DIMENSIONS (mm.)

42



F1 = cable exit; see "How to order".

43, 45



F1 = cable exit; see "How to order".

UNI - DIN RULES

DN	PN-bar (1)	Code	h	H	E (2)	b	d	g	c	F	L	N (3)
15	6	**OOG**	46	188	80 (150)	40	15	2	55	M10	11,5	4
15	10...16	**OQG**	50	192	95 (150)	45	15	2	65	M12	14	4
15	25...40	**OSG**	52	194	95 (150)	45	15	2	65	M12	14	4
20	6	**POG**	48	190	90 (150)	50	20	2	65	M10	11,5	4
20	10...16	**PQG**	27	169	105 (150)	58	20	2	75	M12	14	4
20	25...40	**PSG**	27	169	105 (150)	58	20	2	75	M12	14	4
25	6	**QOG**	27	169	100 (150)	60	25	2	75	M10	11,5	4
25	10...16	**QQG**	27	169	115 (150)	68	25	2	85	M12	14	4
25	25...40	**QSG**	27	169	115 (150)	68	25	2	85	M12	14	4
40	6	**SOG**	27	169	130 (150)	80	40	3	100	M12	14	4
40	10...16	**SQG**	27	169	150 (150)	88	40	3	110	M16	18	4
40	25...40	**SSG**	27	169	150 (150)	88	40	3	110	M16	18	4
50	6	**TOG**	27	169	140 (150)	90	50	3	110	M12	14	4
50	10...16	**TQG**	27	169	165 (165)	102	50	3	125	M16	18	4
50	25...40	**TSG**	27	169	165 (165)	102	50	3	125	M16	18	4

ANSI RULES

DN	PN-PSI (1)	Code	h	H	E (2)	b	d	g	c	F	L	N (3)
1/2"	150	**4AA**	48	190	89 (150)	35	15	1,6	60,5	1/2" 13UNC	16	4
1/2"	300	**4BA**	53,5	195,5	95,5 (150)	35	15	1,6	67	1/2" 13UNC	16	4
1/2"	600	**4DA**	60	202	95,5 (150)	35	15	6,5	67	1/2" 13UNC	16	4
1"	150	**6AA**	27	169	108 (150)	50,8	25	1,6	79,4	1/2" 13UNC	16	4
1"	300	**6BA**	38	180	124 (150)	50,8	25	1,6	88,9	5/8" 11UNC	19	4
1"	600	**6DA**	48,5	190,5	124 (150)	50,8	25	6,3	88,9	5/8" 11UNC	19	4
1" 1/2	150	**AAA**	27	169	127 (150)	73	40	1,6	98,4	1/2" 13UNC	16	4
1" 1/2	300	**ABA**	27	169	155,5 (155,5)	73	40	1,6	114,3	3/4" 10UNC	22	4
1" 1/2	600	**ADA**	48,5	190,5	155,5 (155,5)	73	40	6,3	114,3	3/4" 10UNC	22	4
2"	150	**BAA**	27	169	155,5 (155,5)	92,1	50	1,6	120,6	5/8" 11UNC	19	4
2"	300	**BBA**	27	169	165 (165)	92,1	50	1,6	127	5/8" 11UNC	19	8
2"	600	**BDA**	48,5	190,5	165 (165)	92,1	50	6,3	127	5/8" 11UNC	19	8

1) suitable for 150% of flange rating at 20...30 °C and 100% of flange rating at 100 °C.
2) model 45 dimensions, between bracket;
3) N° of threaded or through holes.

FLANGE SHAPE AND FINISHING

Code	Form UNI	Finishing (turning made)	Code	Form DIN	Finishing (turning made)	Code	Form ANSI B16.5	Finishing
LM1	2225 SM	Ra 3,2 µm max	**LM2**	2513 V13	Rz 63 µm max	**LM3**	LM	AARH 125÷250 µin (grooves)
LF1	2225 SF	Ra 3,2 µm max	**LF2**	2513 R13	Rz 63 µm max	**LF3**	LF	AARH 125÷250 µin (grooves)
LT1	2226 DM	Ra 3,2 µm max	**LT2**	2512 F	Rz 40 µm max	**LT3**	LT	AARH 125 µin max(turning made)
LG1	2226 DF	Ra 3,2 µm max	**LG2**	2512 N	Rz 40 µm max	**LG3**	LG	AARH 125 µin max(turning made)
CM1	2227 CM	Ra 12,5 µm max	**CM2**	2514 V	Rz 160 µm max	**ST3**	ST	AARH 125 µin max(turning made)
CF1	2227 CF	Ra 12,5 µm max	**CF2**	2514 R	Rz 160 µm max	**SG3**	SG	AARH 125 µin max(turning made)
LN1	6078	Ra 0,8 µm max	**LN2**	2696 L	Rz 4 µm max	**RJ3**	RJ	AARH 63 µin max(turning made)
FF1	2229 ——	Ra 12,5 µm max	**FF2**	2526 A/B	Rz 40÷160 µm	**FF3**	FF	AARH 125÷250 µin (grooves)
RF1	2229 ⌐¬	Ra 12,5 µm max	**RF2**	2526 C	Rz 40÷160 µm	**RF3**	RF	AARH 125÷250 µin (grooves)
			RF4	2526 D	Rz 40 µm max	**SM3**	SM	AARH 125 µin max(turning made)
			RF5	2526 E	Rz 16 µm max	**SF3**	SF	AARH 125 µin max(turning made)
						RFS	RF (smooth)	AARH 125 µin max(turning made)
						RF6	Stock	AARH 500 µin max (grooves)

	□□□		□□		□		
Ra (µm)	0,8	1,6	3,2	6,3	12,5	25	50
Rz (µm)	3,2	6,3	12,5	25	50	100	200
AARH (µin)	32	63	125	250	500	1000	2000

OPTIONS

Description	Code	40	42	43	45
Special overpressure stop	**F03**	✦	✦	✦	
PTFE diaphragm	**M26**	✦	✦	✦	✦
Right-angle mounting brackets	**S15**	✦			✦
Tropicalisation	**T01**	✦	✦	✦	✦
Proc. conn. PTFE coating	**T05**	✦	✦	✦	
Proc. conn. PTFE coating, low pressure	**T06**				✦
Epoxy painting	**V20**	✦	✦	✦	✦

ORDER-CODE:

	CODE & DESCRIPTION
03	3 - pressure switches
42	40 - threaded 42 - flanged, tower 43 - flanged, plane 45 - low pressure, threaded & plane flanged
0/10 bar	see setting ranges table
C	see microswitches table
2	Cable exit 1 - 1/2" BSP F-ISO 7/1 2 - 3/4" BSP F-ISO 7/1 3 - 1/2-14 NPT F 4 - 3/4-14 NPT F A - M20 x 1,5 Innengewinde
6AA	Process connection 41M - 1/2" BSP male 43M - 1/2-14 NPT see flanged connection to code
4	Process connection material 4 - AISI 316 st. st.
RF3	Flange shape and finishing (flanged connection only - see table)
T01	see options table

ACCESSORIES

Diaphragm seals, only for model 03.40: complete range of diaphragm seals is available with a choice of materials of construction. Specifically for corrosive and difficult process fluids plus hygienic applications. For further details refer to relevant data sheets, select only diaphragm with ø ³ 63 mm.

Adjustable over-load protector: this is useful for installations which may generate high overpressures; the pressure gauges is automatically excluded at the pre-set pressure and cut in again automatically when the operating pressure returns to normal. For further details refer to relevant data sheet.

Pressure snubbers: for further details refer to relevant data sheet.

Pigtail and siphons: recommended with temperatures of 65° C (150° F) or over. For further details refer to relevant data sheet.