

Compact Pressure Switches

Series 9000

Mechanical pressure switch in piston design with 30 x 30 x 92 mm front face and precise switching point setting

Features

High-quality materials,
100% functional test,
Compact design,
Long pressure spring (precisely adjustable),
G1/4" female thread, Set screw captive

Adjustment ranges

10...400 bar

Applications

OEM applications,
Mobile and industrial hydraulics,
Test bed and apparatus engineering,
Heavy industry,
Shipbuilding



Technical Data

Wetted parts:	sealing: PTFE/FKM fitting: Stainless Steel / Aluminium piston: steel (100Cr6)
Repeatability:	±2% (typically)
Switching rate:	max. 60/min.
Temperature range:	
storage:	-40 °C ... +80 °C (-40 °F ... +176 °F)
piston switch:	-20 °C ... +80 °C (-4 °F ... +176 °F)
Protection class:	IP65

Material:	
housing:	Stainless Steel / Aluminium
electrical plug:	Polyamid (PA)
adjustment screw:	Stainless Steel (1.4305)
Process connection:	G1/4" female thread DIN ISO 228-1
Weight:	175 g (0.39 lbs)
Electrical connection:	EN 175301-8013-A plug (formerly DIN 43650)
Micro switch:	(SPDT) silver contacts
Approvals:	GL, BV others on request

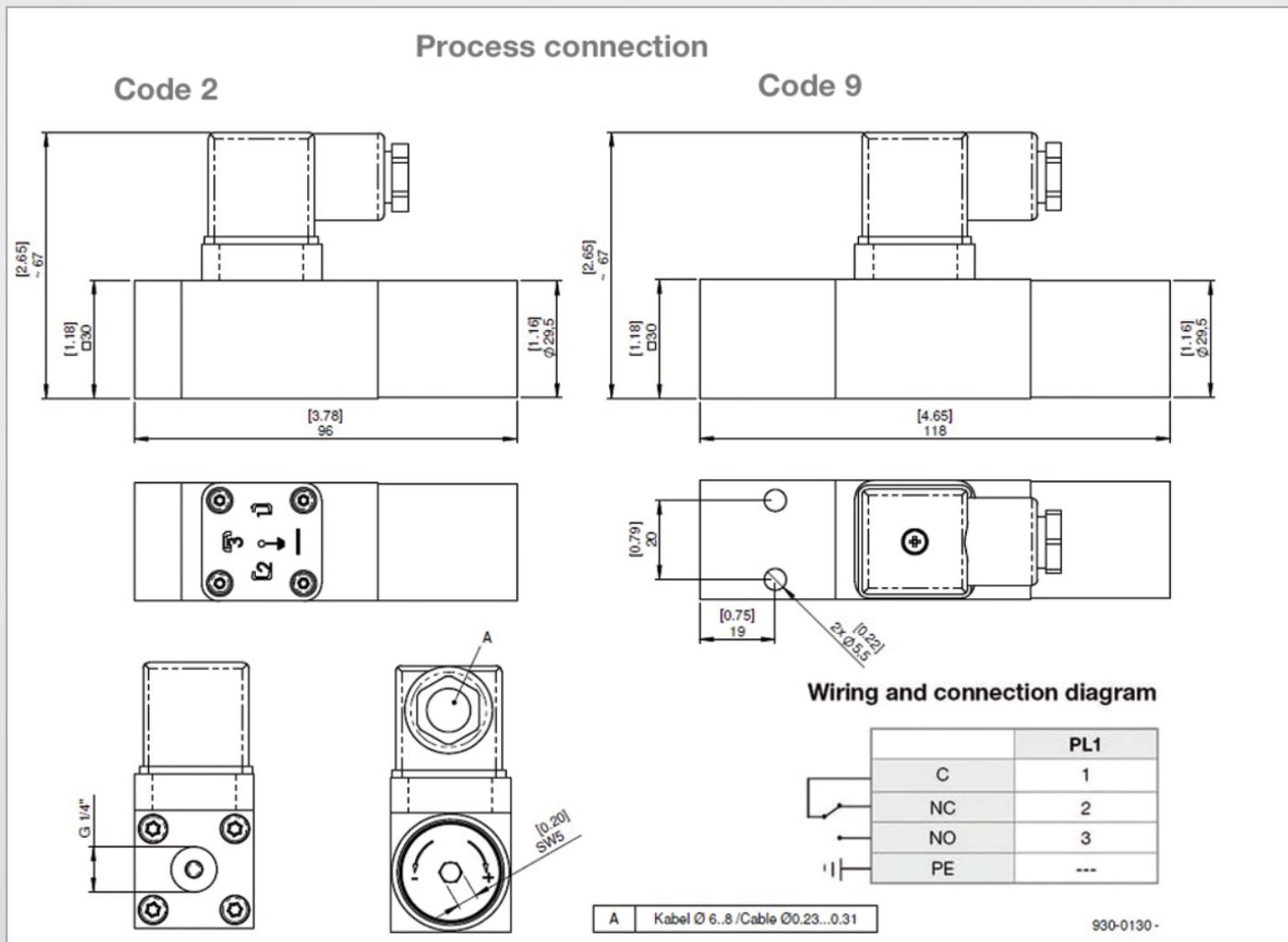
Pressure Ranges

Pressure range code [bar]	Adjustment range		Max. hysteresis at full range max %	Max. operating pressure [bar]	Proof pressure [bar] (short term)
	Decreasing press. [bar]	Increasing press. [bar]			
1	6 ... 44	10 ... 50	10%	250	300
2	15 ... 185	20 ... 200		250	300
3	35 ... 360	40 ... 400		500	600

Process Connection / Electrical Connection / Seal

Process connection	Electrical connection	Seal
(2) G1/4" IG DIN ISO 228-1 (9) G1/4" IG DIN ISO 228-1 with 2 mounting holes (Ø 5,5mm / 20mm distance)	(PL1) Plug, 4-pin acc. to EN 175301-803-A	(V) FKM (B) NBR (E) EPDM

Dimensions (mm / inch)



Electrical Ratings

Micro switch	Special features	Volt AC 50/60 Hz	Ind. Load A	Res. Load A	Volt DC	Ind. Load A	Res. Load A	Minimum capacitance
1	Silver contacts	250 V~	2.5	10.0	24 V=	1.0	6.0	20 mA at 24 VDC

Approvals

GL	Germanischer Lloyd
BV	Bureau Veritas

Order Code

Example for order number

Type	Process connection	Pressure range	Micro switch contact	-	Electrical connection	-	Seal	-	Approvals
9	2	2	1		PL1		V		GL

Your order number

9	2		1		PL1				
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