

PRODUCT CATALOG

Pressure and Level Control Products



Reliable Solutions in Industrial Control Technologies

PNOTOL is an industrial control technologies manufacturer specializing in hydraulic and pneumatic control equipment. Continuously expanding its product range, which began with pressure switches, with temperature, level, and flow control devices, PNOTOL provides the reliable solutions required by industrial automation under one roof.

Drawing strength from more than 40 years of industry experience, PNOTOL manages its R&D, production, sales, and after-sales support processes with a holistic engineering approach. While developing user-friendly, long-lasting products that comply with international standards, it aims to provide sustainable solutions for the needs of different industries through its quality-focused production approach and OEM collaborations.



Contents

PNOTOL

Corporate Introduction	02
Product Groups Overview	04

PRESSURE SWITCHES

01 MT SERIES Pressure Switches 05

Product Description + Product Features	06
Order Code	07
Electrical Connection Diagram + Differential Difference Graph	08
Differential Difference Graph + Technical Dimensions / N1	09
Technical Dimensions / N2 + N3	10
Technical Dimensions / MT M Series N3 + MTP	11
Technical Dimensions / MTL N3	12

02 GT SERIES Pressure Switches 13

Product Description + Product Features	14
Order Code Diagram + Electrical Connection Diagram	15
Differential Diagram + Technical Dimensions	16
Technical Dimensions II	17

LEVEL SWITCH & INDICATOR

03 LFS SWITCH Level Switch 18

Product Description + Product Features	19
Order Code + Electrical Connection Diagram	20
Technical Dimensions	21

04 SG SERIES Level Indicator 22

Product Description + Product Features	23
Order Code + Electrical Connection Diagram	24
Technical Dimension	25

CONTACT

Contact	26
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Product Groups

PRESSURE SWITCHES

01 MT SERIES Pressure Switches



02 GT SERIES Pressure Switches



LEVEL SWITCH & INDICATOR

03 LFS SWITCH Level Switch



04 SG SERIES Level Indicator



01

MT SERIEST

PRESSURE SWITCHES



PRODUCT DESCRIPTION

MT Series pressure switches open or close the electrical circuit in response to pressure changes in your system. With an SPDT connector, they provide flexible use by offering NO/NC electrical connection options.

Thanks to the adjustment dial on the unit, it can be easily set to the desired pressure level. In addition, the locking mechanism ensures that the set value is maintained in vibrating environments.

For real-time pressure monitoring, a model with a pressure gauge can be optionally selected.

Thanks to its highly resistant structure against pressure shocks, it provides reliable performance even under demanding operating conditions.

The MT Series covers a wide range of applications by offering five different pressure range options between 0,2 bar and 600 bar, along with bottom block connection, side block connection and fitting connection, as well as panel-type fitting connection options.

PNOTOL brand pressure switches provide precise, durable and reliable control in your pressure system.



PRODUCT FEATURES



ELECTRICAL

Connector Type:	DIN 43650-A
Max Supply Voltage:	250 VAC
Current (Max. VAC):	3 wire
Connection Principle	SPDT
Output Signal:	5A
Output Signal:	NO/NC
Switch Cycle Life (Cycle):	5.000.000 Cycles



PRESSURE

Min. Signal Pressure:	7 bar, 101 psi, 700 kPa, 0.7Mpa
Max Signal Pressure:	600 bar, 8702 Psi, 60000kPa, 60 Mpa
Burst Pressure:	Refer to the order code diagram
Pressure Gauge:	Optional



MATERIAL

Mechanical Connection:	Side Block, Bottom Block, G1/4 fitting connection
Body:	6013 Aluminum
Sealing Element:	NBR and Teflon

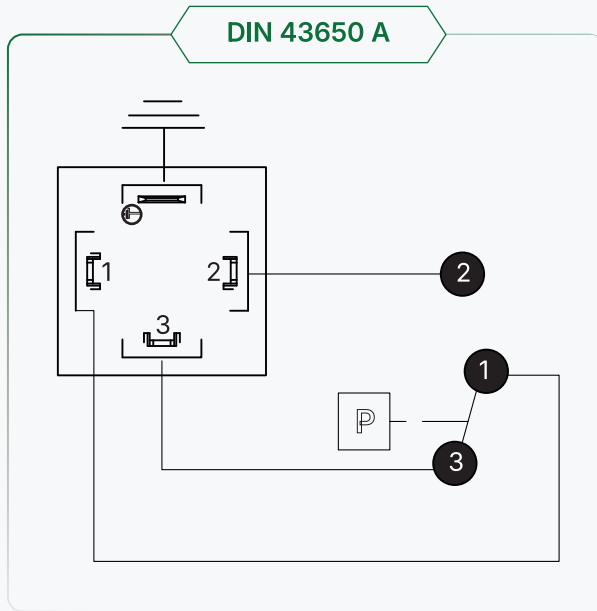


ORDER CODE DIAGRAM

MODEL	CONNECTOR	PRESSURE GAUGE	MECHANICAL CONNECTION TYPE	PRESSURE		
				Pressure Range	Pressure Switch Pmax	Pressure Gauge Range & Pmax
MT Model Pressure Switch	MOC "Opsiyonel" M12*1 4 PIN Connector NO/NC If this field is left blank, the product will be supplied with the standard DIN43650A connector type.	M "Optional" Select the pressure gauge option for real-time system pressure monitoring. If not required, leave this field blank.	N1 Side Block Connection N2 Base Block Connection N3 G1/4" gland Connection	50 5-50 bar	650 bar	0...60 bar Pmax=60 bar
				100 10-100 bar	650 bar	0...160 bar Pmax=100 bar
				200 10-200 bar	650 bar	0...250 bar Pmax=250 bar
				350 20-350 bar	650 bar	0...400 bar Pmax=400 ba
				600 50-600 bar	650 bar	0...600 bar Pmax=600 bar
MTL Model Diaphragm Type Pressure Switch	MOC "Optional" M12*1 4 PIN Connector NO/NC	Leave blank	N3 G1/4" gland Connection	002 0,2...2 bar 012 1...12 bar	150 bar 150 bar	—
MTP Model Panel Type Pressure Switch	MOC "Optional" M12*1 4 PIN Connector NO/NC If this field is left blank, the product will be supplied with the standard DIN43650A connector type.	Leave blank.	N3 G1/4" gland Connection	70 7-70 bar 160 10-160 bar 300 20-300 bar 400 20-400 bar 600 50-600 bar	650 bar 650 bar 650 bar 650 bar	—



ELECTRICAL CONNECTION DIAGRAM



SWITCHING FUNCTION

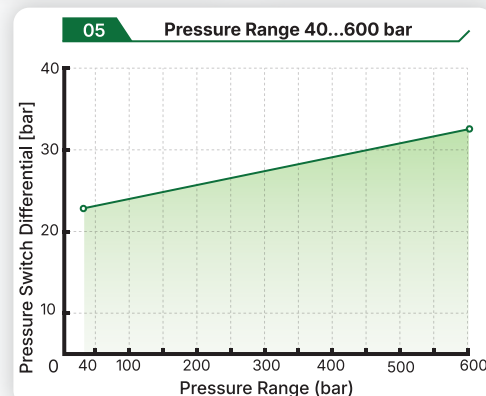
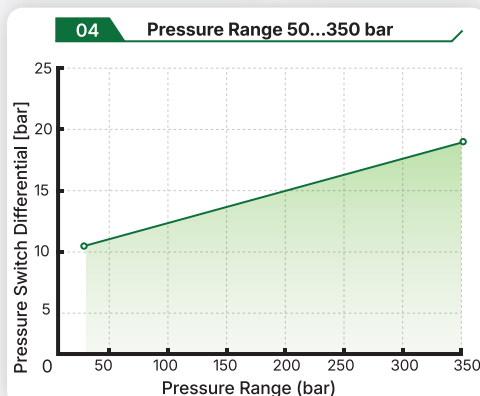
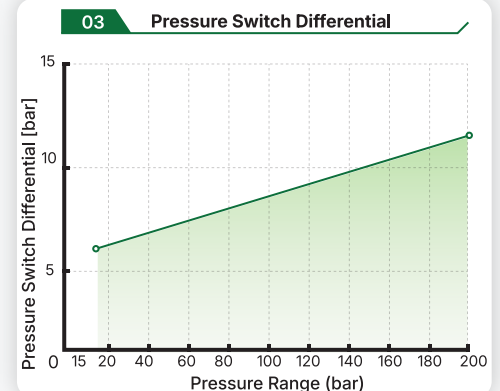
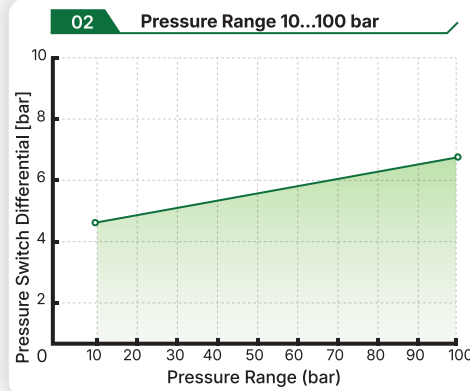
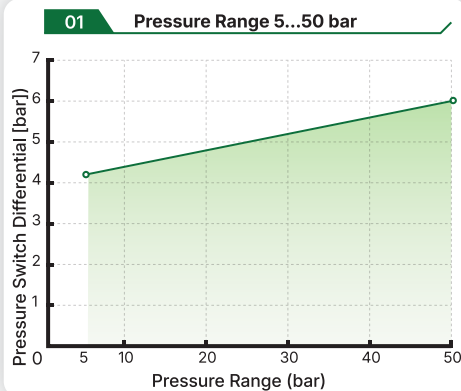
01 Terminal 1 - 3 :
Current flows through terminals 1-3 when the pressure increases

NA

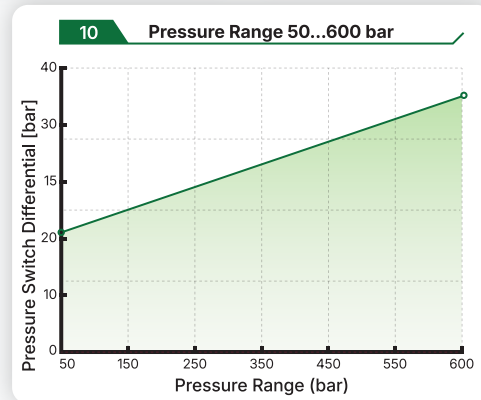
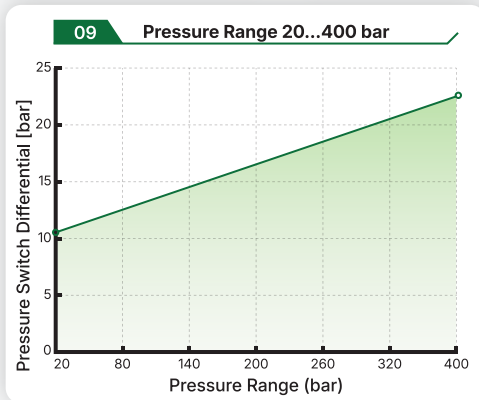
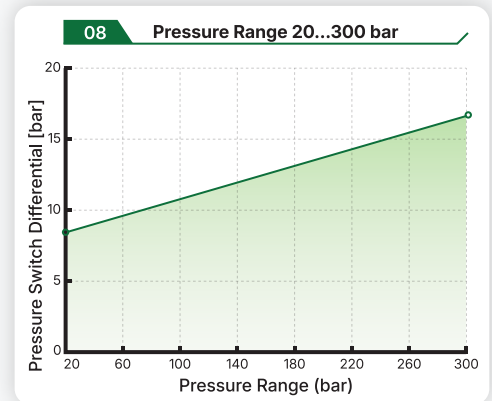
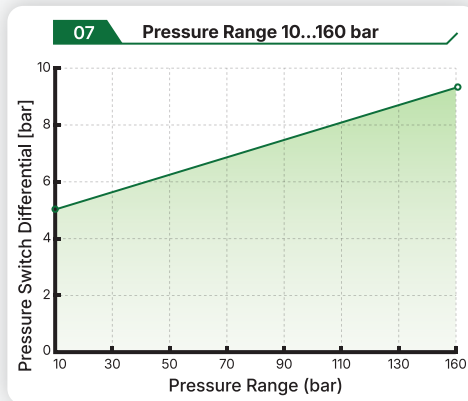
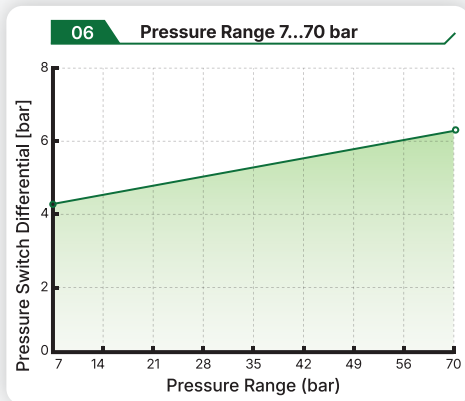
02 Terminal 1 - 2 :
Current flows through terminals 1-2 when the pressure decreases or when there is no pressure.

NC

DIFFERENTIAL PRESSURE GRAPH

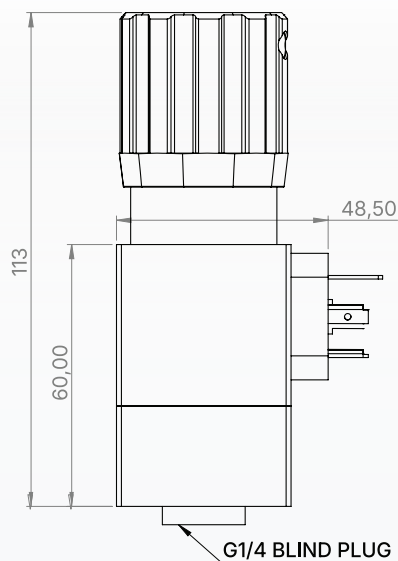


DIFFERENTIAL PRESSURE GRAPH

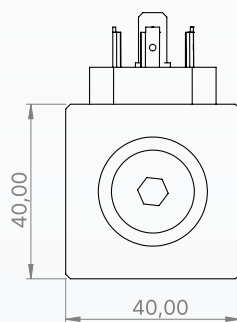


TECHNICAL DIMENSIONS

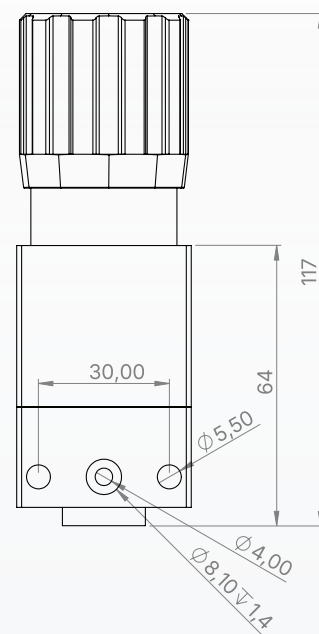
MT Series N1 Connection



SIDE CONNECTION



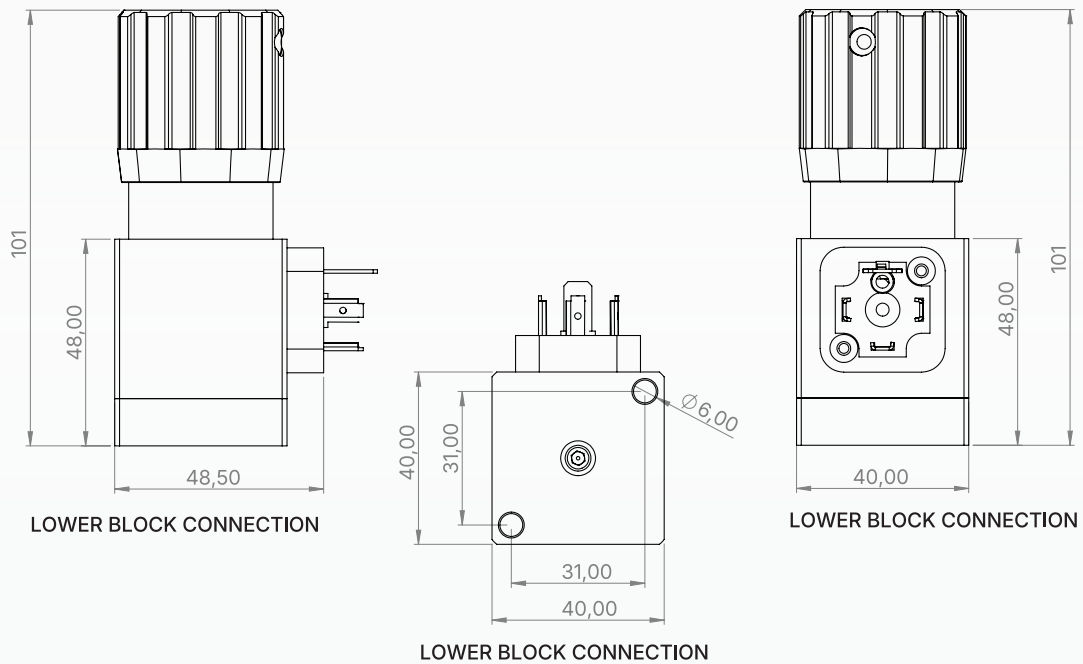
SIDE CONNECTION



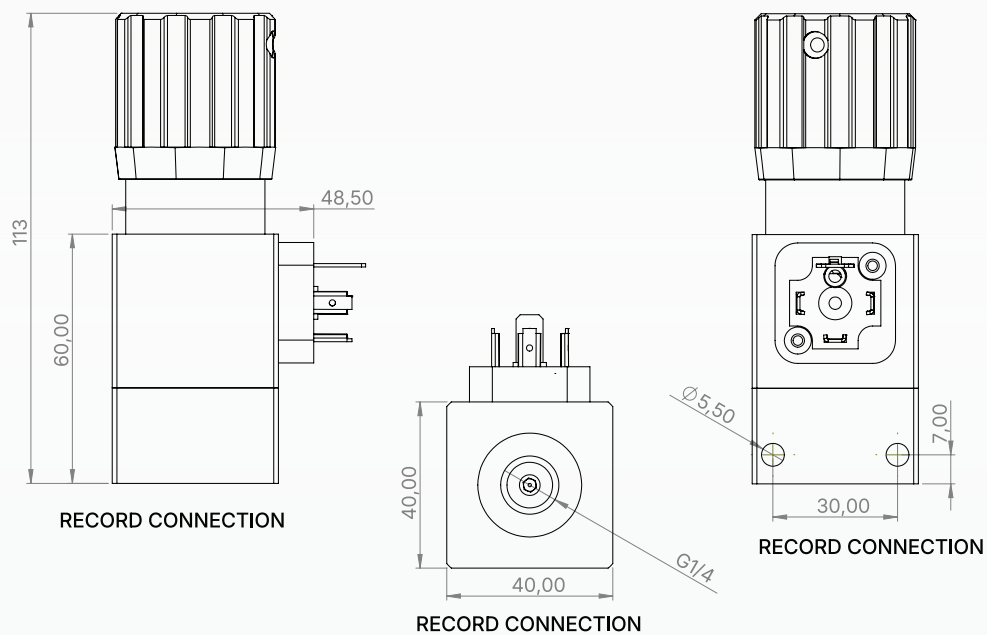
SIDE CONNECTION

TECHNICAL DIMENSIONS

MT Series N2 Connection

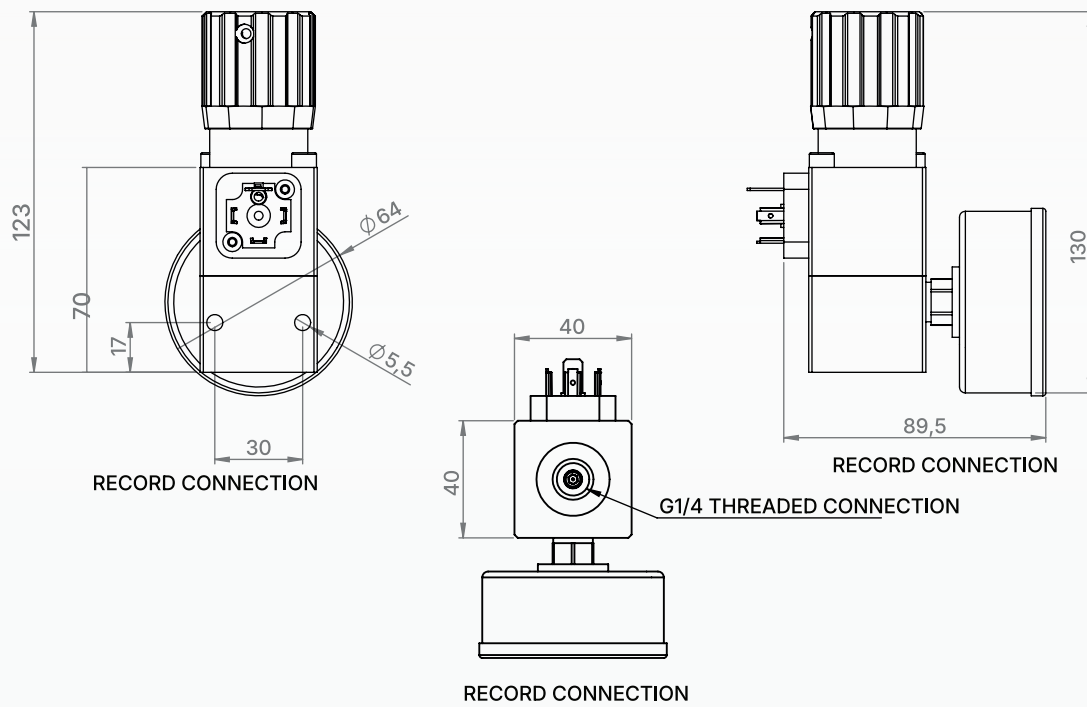


MT Series N3 Connection

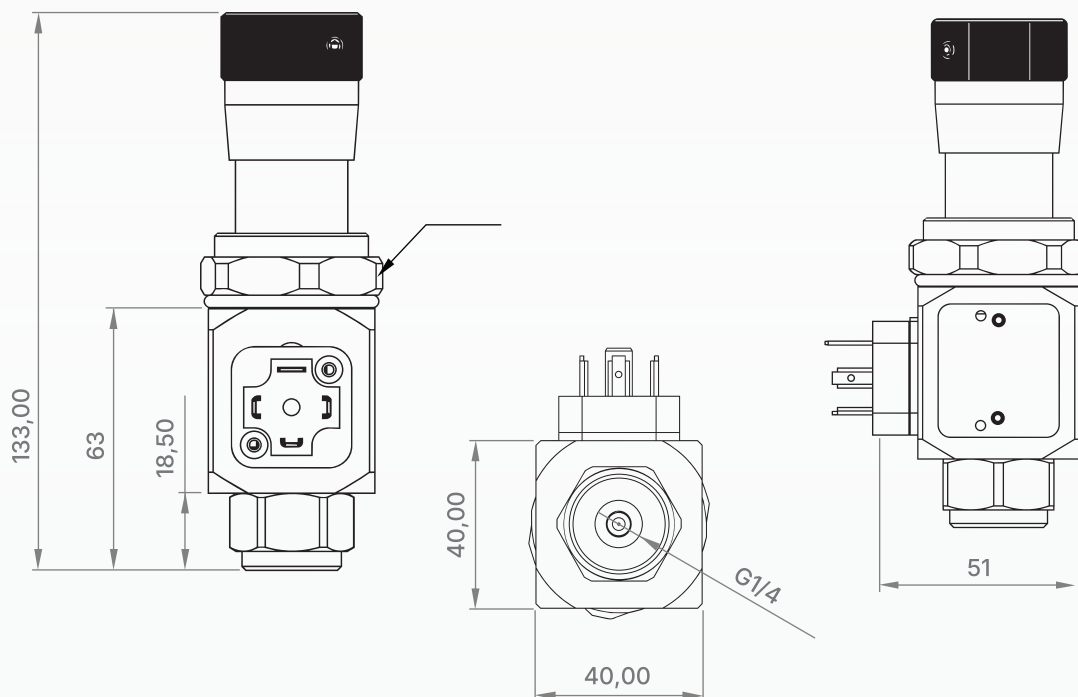


TECHNICAL DIMENSIONS

MT M Series N3 Connection

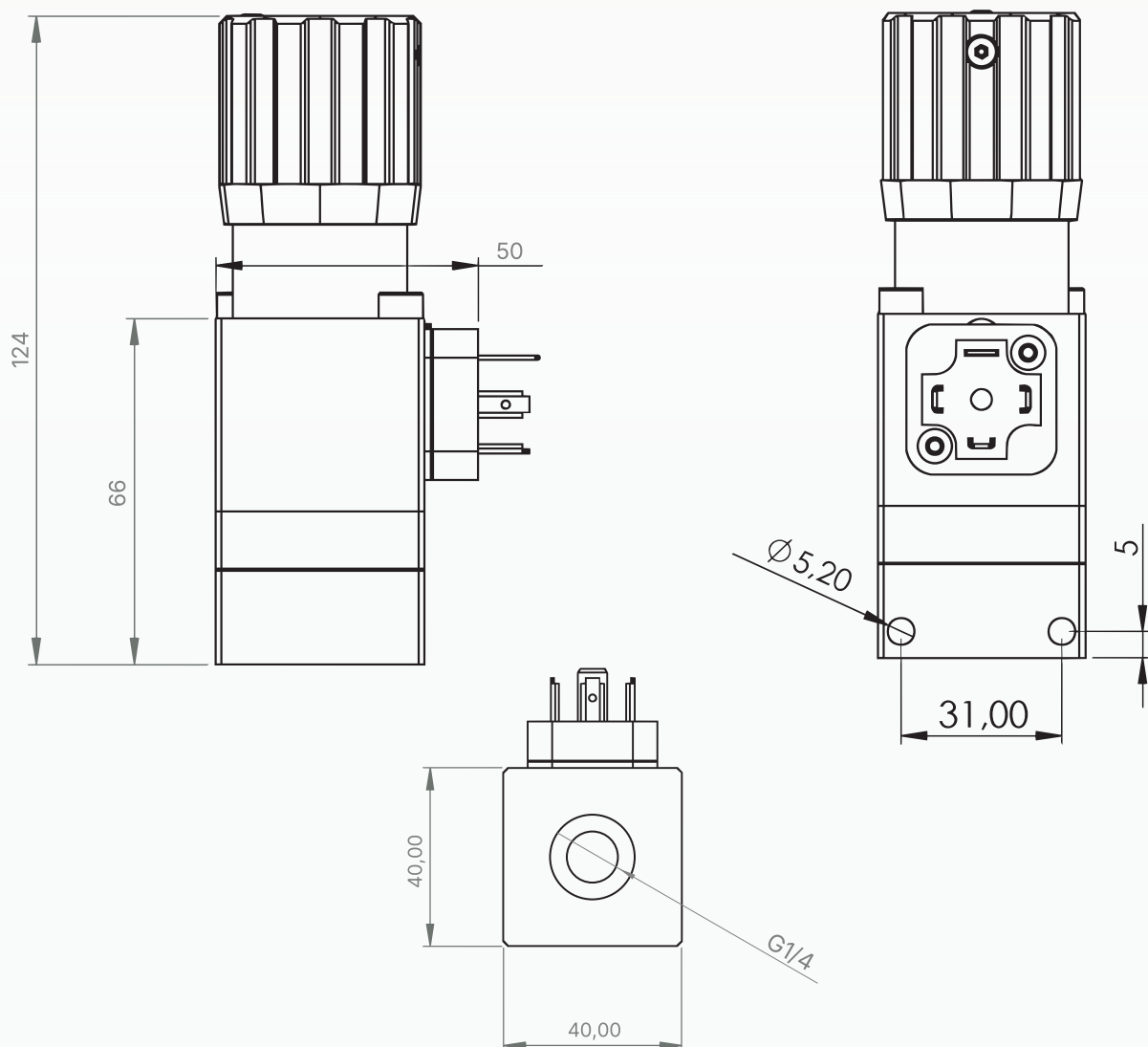


MTP



TECHNICAL DIMENSIONS

MTL N3 Connection



MTL

02

GT SERIES

PRESSURE SWITCHES



PRODUCT DESCRIPTION

GT Series pressure switches are designed for precise control applications by opening and closing the electrical circuit in response to pressure changes in the system.

Thanks to their compact dimensions and lightweight construction, they are ideal for installations where space is limited. The GT Series is optimized for control circuits and provides reliable performance at low electrical loads.

Depending on the model, NO or NO/NC contact options are available, providing flexible solutions for different system requirements.

The adjustment mechanism allows the desired pressure value to be set easily and precisely. Once adjusted, the value remains fixed and provides stable operation even under demanding operating conditions.

The GT Series offers various connection options and pressure ranges to suit different applications. Thanks to its durable construction, it provides long-lasting and reliable switching performance.

PNOTOL GT Series pressure switches provide a compact, efficient and cost-effective solution for pressure control in modern industrial systems.



PRODUCT FEATURES



ELECTRICAL

Output Signal:	SPDT output
Electrical Configuration:	NO/NC NO NC
Max. Supply Voltage:	125 VAC
Wiring Principle:	2-wire, 3-wire
Current:	Max. VAC: 3A
Connection Principle:	G1/4" - G1/8" - 1/4" BSPT - 1/8" BSPT - M10 x1,0 - M12x1,5 - 1/8"NPT - 1/4"NPT
Switching Life:	5.000.000 cycles
Operating Temperature:	+85 °C 212 °F... -40 °C 20°F



PRESSURE

Min. Signal Pressure:	0,2 bar, 2,9 psi, 20 kPa, 0,02 Mpa
Max. Signal Pressure:	400 bar, 5801 psi, 40.000 kPa, 40 MPa
Burst Pressure (PMax):	Refer to the order code diagram.
Pressure Gauge:	Optional



MATERIAL

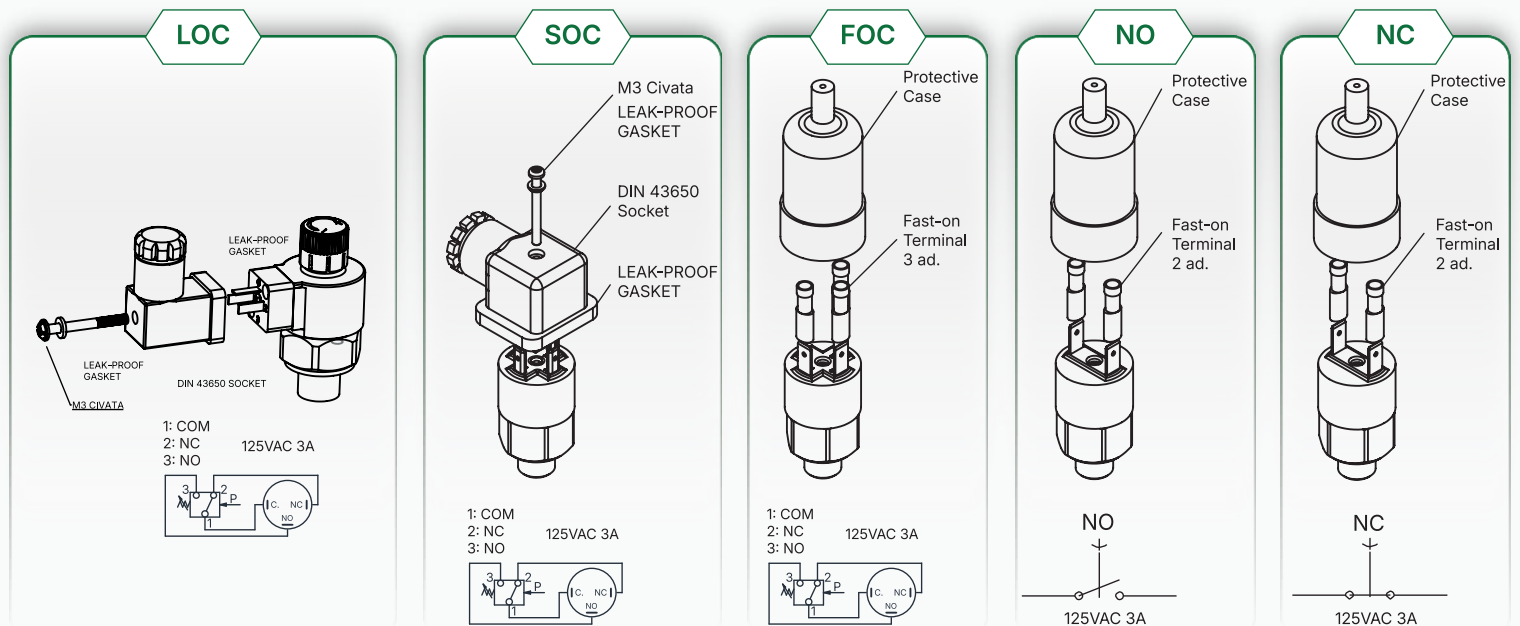
Mechanical Connection:	Refer to the order code diagram.
Body:	Coated Steel, Brass, Stainless Steel
Sealing Element:	Viton, HNBR, NBR



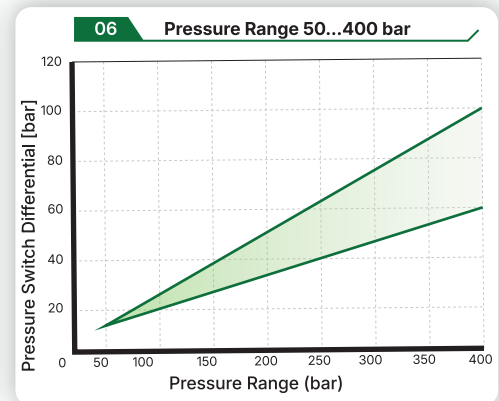
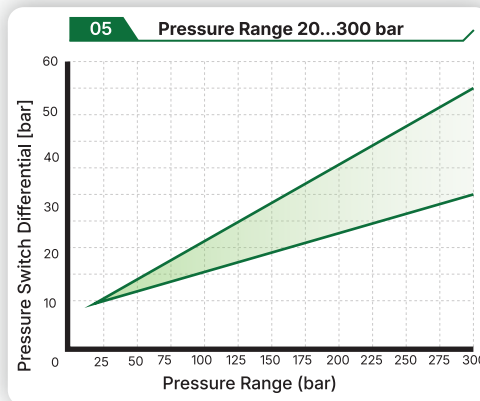
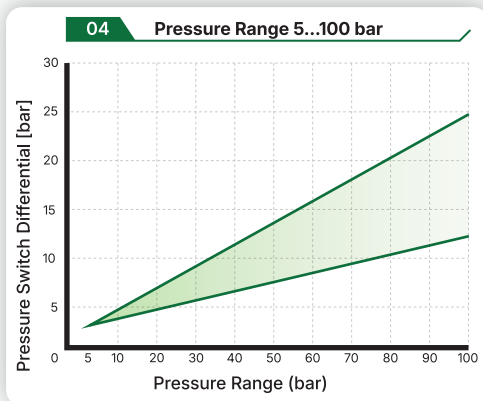
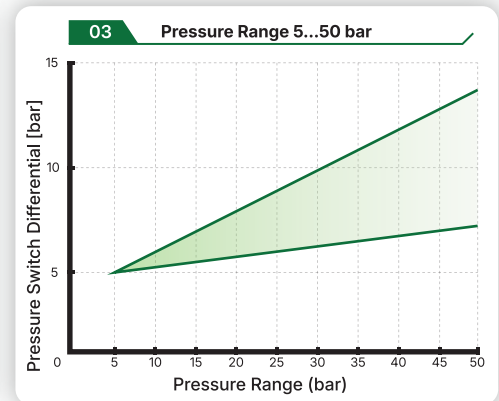
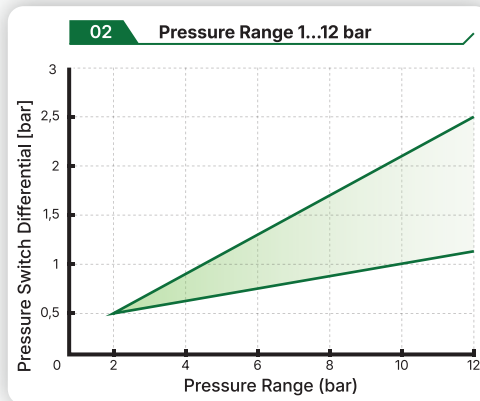
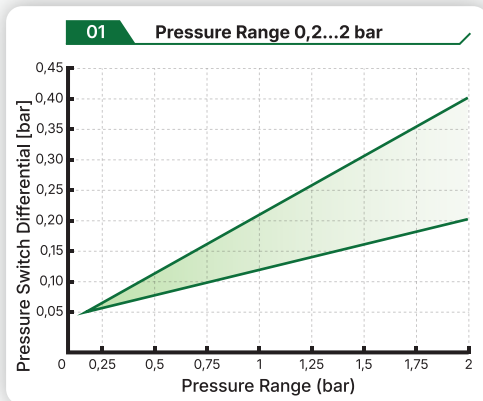
ORDER CODE DIAGRAM

MODEL	Pressure Gauge	Pressure Gauge	Body Type	Mechanical Con.	Electrical Con.	Pressure			Set Pressure	Pressure Condition
GT Model Basınç Anahtarı	You can select the model with a pressure gauge to monitor system pressure in real time. If not required, please leave this field blank.	H HNBR V Viton	R Pirinç S 304 Pazlanmaz Çelik	N3 G1/4"	NO Normally Open Fast-on terminal connection	Pressure Range	Pressure Switch Pmax	Pressure Gauge (Optional)	If must,The requested set pressure must be written in	D Low setting Y High setting
				N4 G1/8"		002 0,2 - 2 bar	40 bar	0...2,5 bar Pmax= 2,5 bar		
				N5 1/4" BSPT		012 1 - 12 bar	40 bar	0...16 bar Pmax=16		
				N6 1/8" BSPT		050 5 - 50 bar	600 bar			
				N7 M10 ×1,0		100 10 - 100 bar	600 bar			
				N7 M12×1,5		300 20 - 300 bar	600 bar			
				N8 1/8"NPT			600 bar			
				N9 1/4"NPT		400 50 - 400 bar	600 bar			

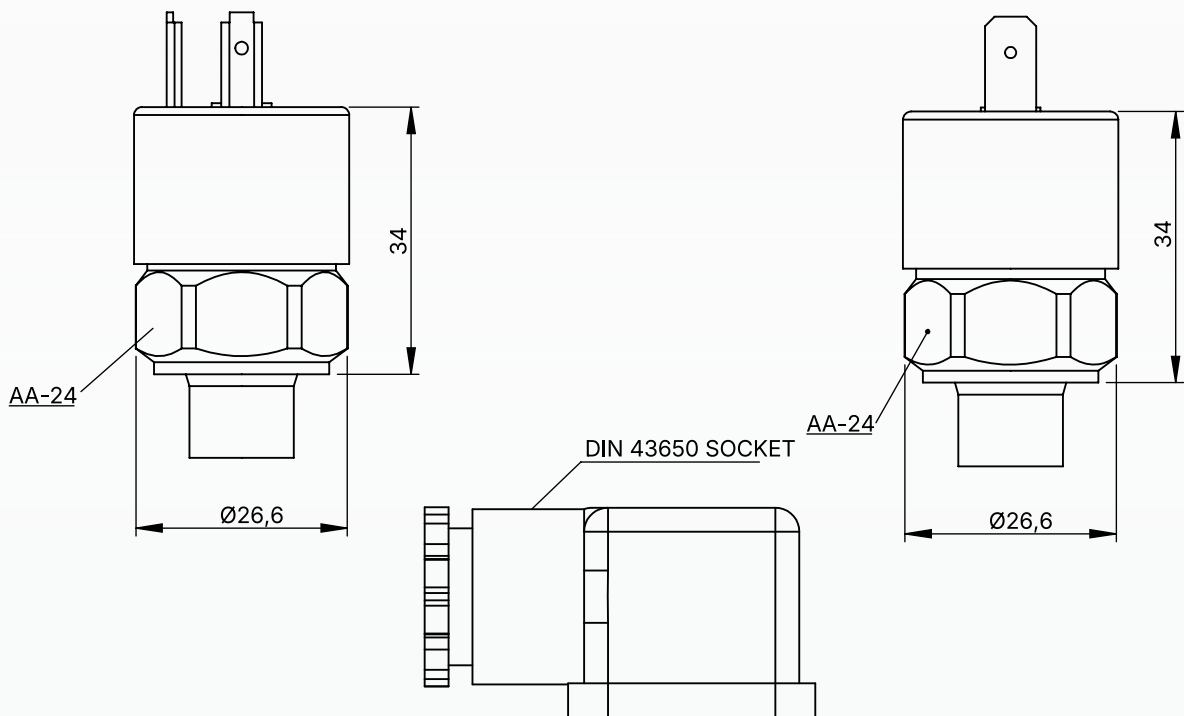
ELECTRICAL CONNECTION DIAGRAM



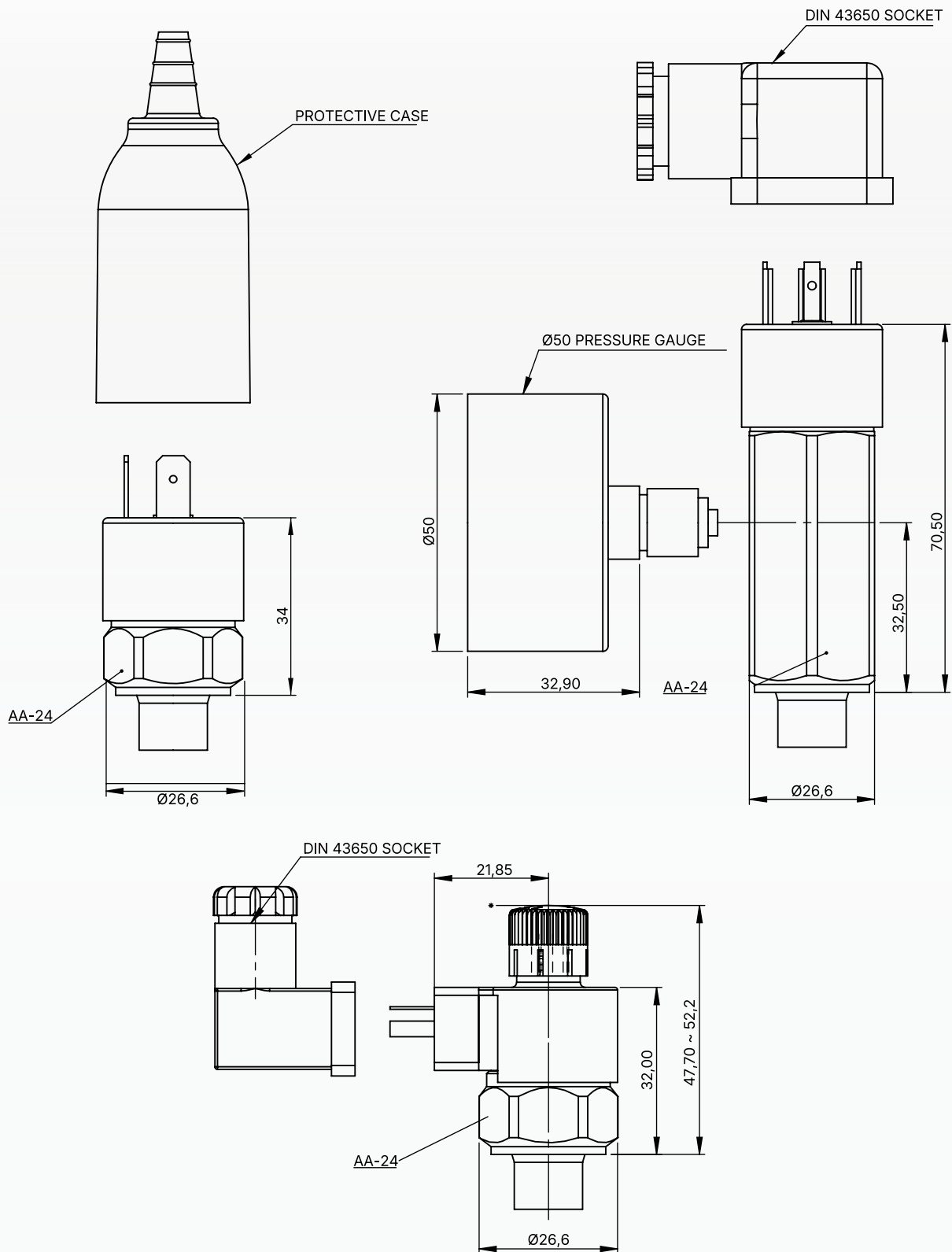
DIFFERENTIAL PRESSURE GRAPH



TECHNICAL DIMENSIONS



TECHNICAL DIMENSIONS



03

LFS SERIES

LEVEL SWITCH



PRODUCT DESCRIPTION

PNOTOL LFS Series level switches are designed to detect the minimum or maximum level in tanks containing hydraulic oil, mineral oil and similar liquids.

Operating on the principle of a magnetic float and reed contact, the product provides an electrical output when the liquid level reaches the specified point and can be used in alarm, warning or system control applications.

Thanks to its compact structure, easy installation and high reliability, it is preferred in hydraulic power units, oil tanks, industrial machinery and mobile hydraulic applications.



PRODUCT FEATURES

ELECTRICAL

Switching Principle:	Reed Contact
Contact Configuration:	NO / NC / SPDT (depending on)
Max. Current (Max.):	0,5 A
Max. Switching Voltage:	48 VAC/DC
Max. Switching Power:	10 W
Switching Life:	1.000.000 cycle
Protection Class:	IP65
Cable Output:	2 or 3-core

PRESSURE

Operating Principle:	Magnetic Float
Mounting Position:	Vertical
Max. Operating Pressure:	10 bar
Operating Temperature:	-20°C ... +80°C
Minimum Density:	0,75 g/cm ³
Hysteresis:	Approximatel
Float Movement:	Free

MATERIAL

Body Tube:	Brass, Stainless Steel AISI 304
Float:	NBR Foam or Stainless Steel
Gasket:	Cylindrical Gasket
Connection Head:	6013 Aluminium
Optional Gasket:	Viton / EPDM

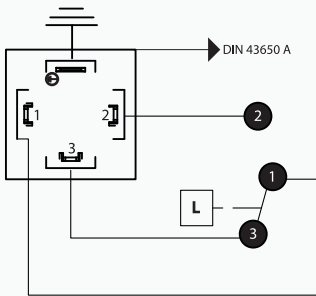


ORDER CODE DIAGRAM

MODEL	Boru Malzemesi	Kontak	Sızdırmazlık
LFS Model Level Switch	S Stainless Steel AISI 304 "If this field is left blank, 'Rice' will be used as the material."	NO Base Level Signal Single Contact Normally Open (NO)	100 100 mm
		DO Base and Top level Signal Double Contact Normally Open(NO) & Normally Open (NO)	150 150 mm
			200 200 mm
			250 250 mm
			300 300 mm
			400 400 mm
		OC Base Signal Normally Open (NO) or Normally Close (NC)	500 500 mm
			600 600 mm
			700 700 mm

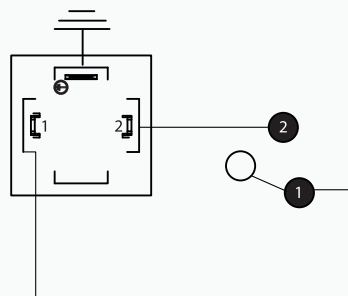
If you require an intermediate measurement or a specific signal point, please contact us directly.

ELECTRICAL CONNECTION DIAGRAM



SWITCHING FUNCTION

- 01 Terminal 1 - 2 :**
When the liquid level reaches the lower limit, an electrical connection is established between terminal 1 and terminal 2. (NO – Normally Open)

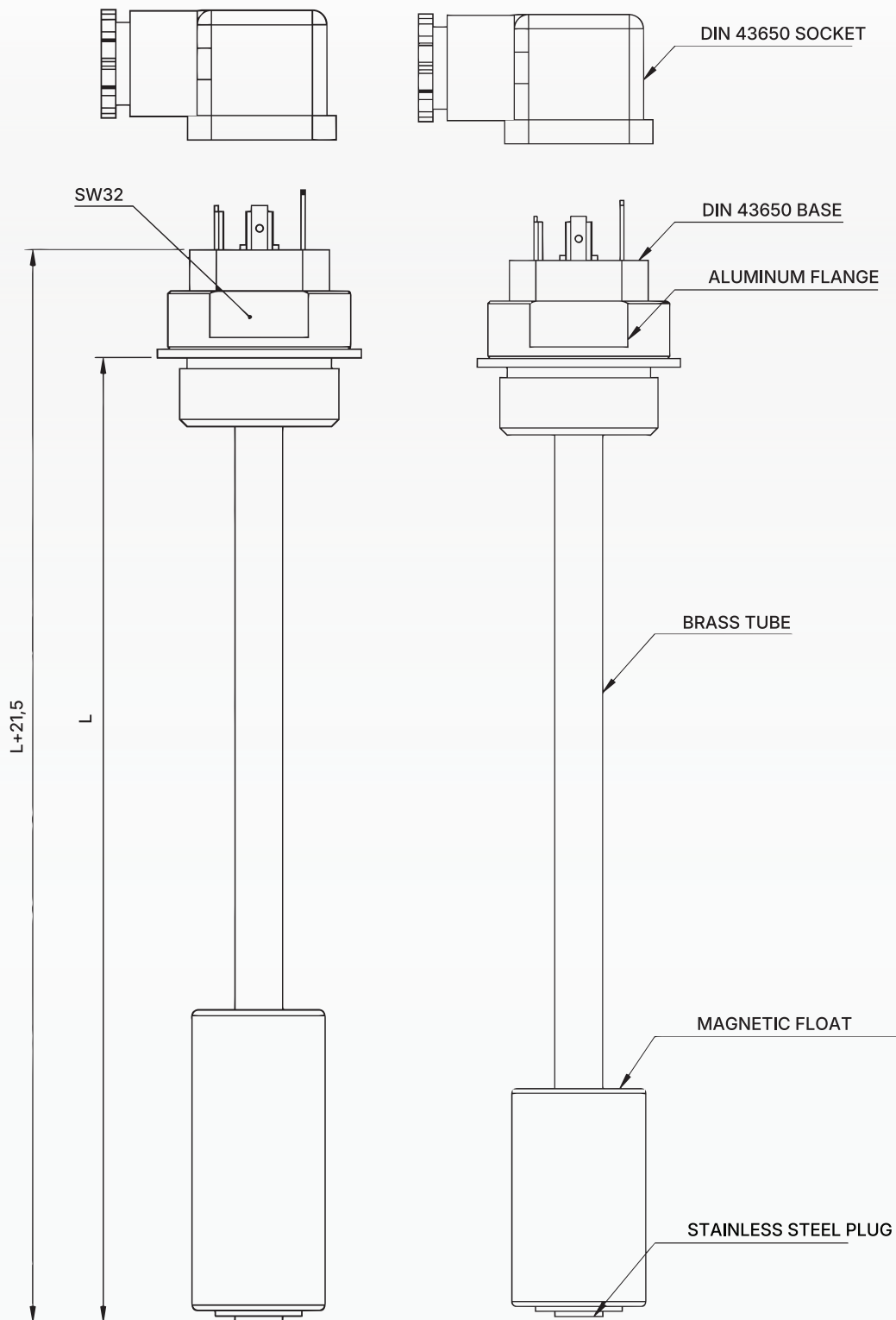


SWITCHING FUNCTION

- 01 Terminal 1 - 3 :**
When the liquid level reaches the upper level, an electrical connection is established between terminal 1 and terminal 2. (NO – Normally Open)
- 02 Terminal 1 - 2 :**
When the liquid level is at the lower level or when there is no level, an electrical connection is established between terminal 1 and terminal 2.



TECHNICAL DIMENSIONS



SG SERIES

[illegible]

PRODUCT DESCRIPTION

PNOTOL SG Series visual level indicators are mechanical level indication elements that enable direct and continuous monitoring of the liquid level in tanks, boilers and similar structures containing liquids.

Thanks to its transparent tube structure, the liquid level can be easily observed without the need for any external energy source. The scale indicator inside the tube enables the level to be read quickly and clearly.

In addition to standard models designed solely for visual level monitoring, the product range also includes versions with electrical contacts and thermometers. Models with electrical contacts can be integrated with alarm or system control units by switching at the specified level point. Thermometer-equipped models enable temperature information to be monitored together with the liquid level.

Its simple mounting structure enables easy installation. Its robust body construction and the use of industrial-grade materials provide long-lasting and reliable operation.



PRODUCT FEATURES

ELECTRICAL

Connector Type:	DIN 43650-A
Max. Supply	48 V
Max. Current (Max. VAC):	0,5 A
Connection Principle:	3-wire 2-wire
Protection Class:	IP65
Electrical Configuration:	SPDT (COM – NO – NC)
Switching Life (Cycle):	5,000,000 cycles
Switching Type:	Mechanical switching at the level point

PRESSURE

Max. Operating	2 bar
Mounting Type:	Mechanical, visual level indicator
Mounting Orientation:	Vertical
Operating Temperature:	-20°C ... +100°C

MATERIAL

Transparent Tube:	Methacrylate (PMMA)
Protective Housing:	6013 Aluminum
Sealing:	NBR 90
Connection Head:	6013 Aluminum
Connection Bolts	Galvanized steel

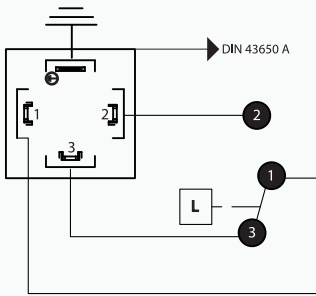


ORDER CODE DIAGRAM

MODEL	Version	Sealing Type	Center Distance of Connection Holes	Electrical Signal Type
SG Model Seviye Göstergesi	T With Thermometer F SPDT NO/NC Two Contact FA SPDT NO Normally Open If left blank, it indicates level indicator only.	V Viton Sealing If left blank, NBR sealing elements are used.	127 127 mm 150 150 mm 176 176 mm 254 254 mm 305 305 mm 381 381 mm	MAX Upper level warning signal (If left blank, standard version)

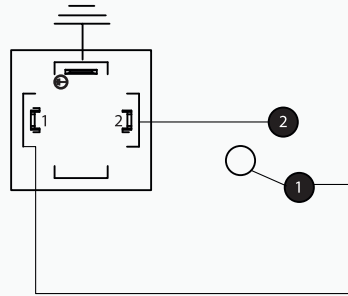
NOTE: Products will be supplied with a DIN 43650 A type socket.

ELECTRICAL CONNECTION DIAGRAM



SWITCHING FUNCTION

- 01 Terminal 1 - 2 :**
When the liquid level reaches the lower level, an electrical connection is established between terminal 1 and terminal 2.
(NO – Normally Open)

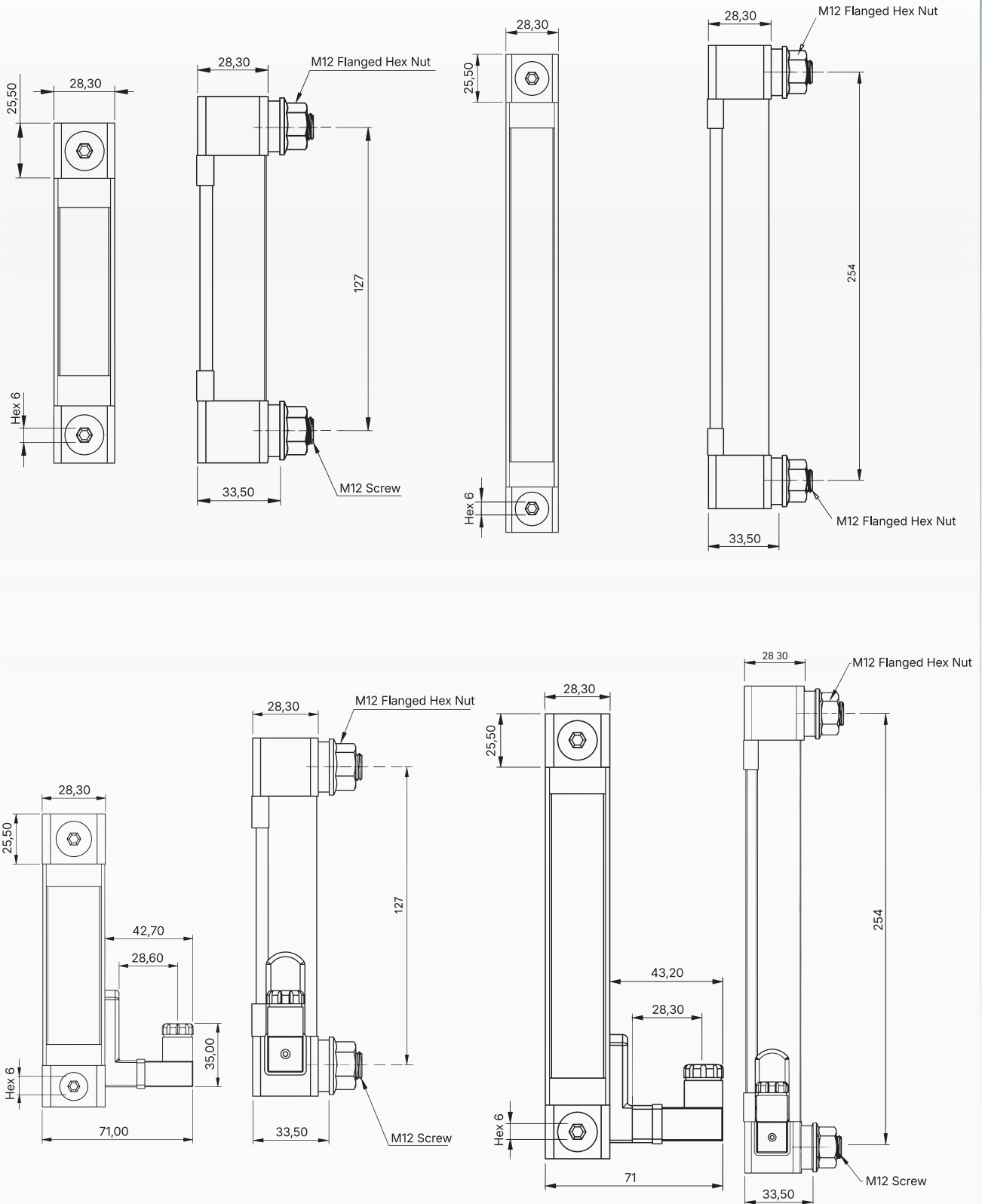


SWITCHING FUNCTION

- 01 Terminal 1 - 3 :**
When the liquid level reaches the upper level, an electrical connection is established between terminal 1 and terminal 3.(NO – Normally Open)
- 02 Terminal 1 - 2 :**
When the liquid level is at the lower level or when no level is present, an electrical connection is established between terminal 1 and terminal 2.



TECHNICAL DIMENSIONS



CONTACT

Pressure and Level Control Products

You can contact the PNOTOL team for product selection, technical support and project requirements.



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