

Piston pressure switch Type KLK
Repeatability ±1.0 % typical

Diaphragm seal pressure switch Type KLM
Repeatability ±2.0 % typical

Features

OEM pressure switch series,
 Compact design,
 Threaded connection
 Factory settings only fully tamper proof.

Adjustment ranges

1 ... 400 bar

Applications

Mobile hydraulics,
 Motor control,
 Hydraulic clamping

Technical Data

Wetted parts: Type KLK: Type KLM:	NBR, PTFE Brass, roller bearing steel Stainless steel
Repeatability: Type KLK: Type KLM:	±1 % typical ±2 % typical
Switching rate: Type KLK: Type KLM:	max. 60/min max. 30/min
Temperature range: Type KLK: Type KLM:	-40 °C... +80 °C -20 °C... +80 °C
Protection class: Silicone cable (K2): Plug connector (S1):	IP67 IP65
Housing: Type KLK: Type KLM:	Brass and stainless steel Stainless steel



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Process connection:	M12 x 1.5 G1/4 male other connections on request
Electrical connection:	Silicone cable (K2) Plug connector (S1)
Electrical ratings capacity and hysteresis:	A large variety of micro switches offers different electrical ratings and hysteresis for many applications.
Weight: Type KLK: Type KLM:	0.2 kg approx. 0.2 kg approx.
Set point adjustment:	Factory set
Intrinsically safe:	A large variety of micro switches offers different electrical ratings and hysteresis for many applications.
Approval:	EXI Ex i approval

Pressure ranges

* Higher operating pressure (up to 150 bar) (with proof pressure 200 bar) on request. Please add to your order!

Pressure range code	Adjustment range [bar]	Proof pressure [bar]	Max. operating pressure [bar]	Max. hysteresis [bar]
	Increasing pressure			short term
KLM-006	1 ... 6	80/200*	40*	0.6
KLM-025	5 ... 25	80/200*	40*	2.6
KLM-040	10 ... 40	80/200*	40*	3.8
KLK-100	30 ... 100	450	300	15
KLK-300	60 ... 300	450	300	30
KLK-400	150 ... 400	600	400	60

Specifications are subject to changes without notice.

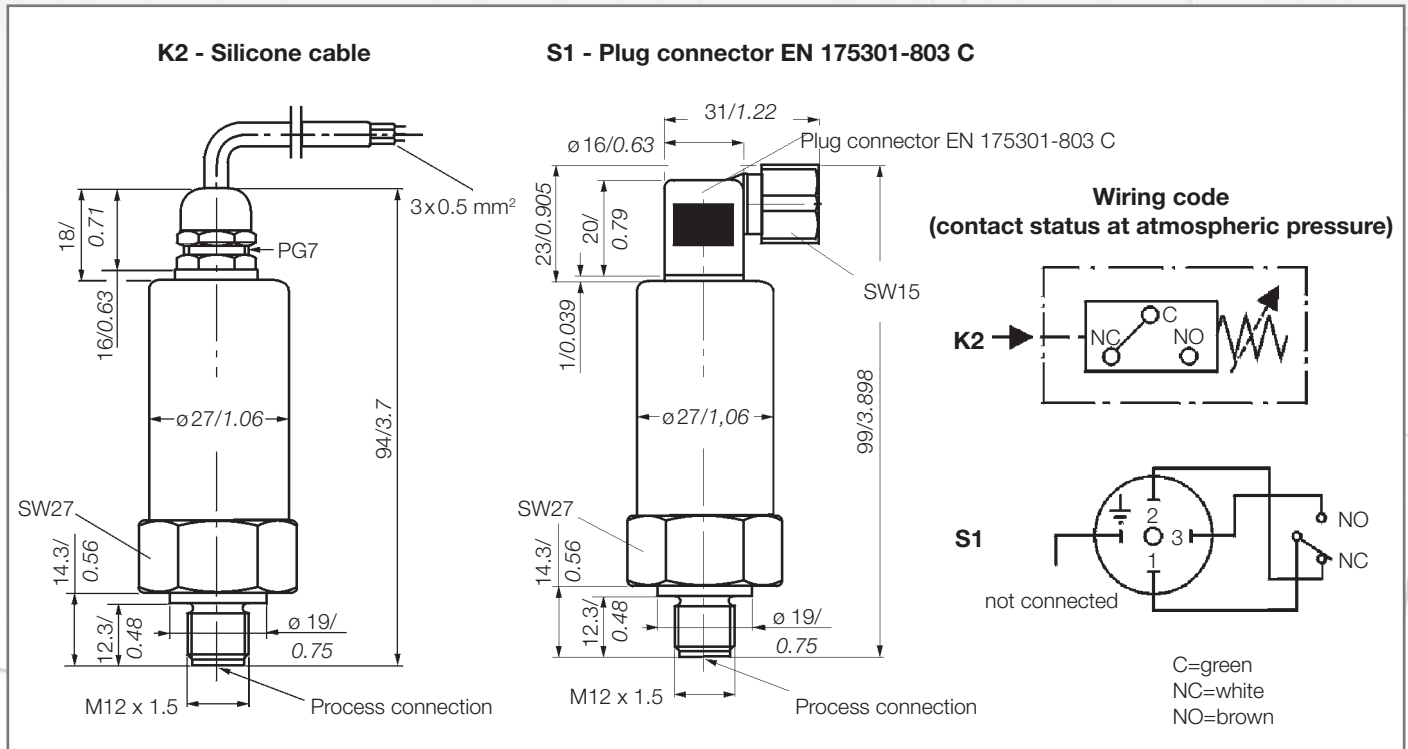
Pressure

Compact Pressure Switches

Type **KLK-.../KLM-...**

Dimensions (in mm / inch)

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Electrical ratings

Micro switch	Special features	Volt DC	Ind. load A	Res. load A	Comments
1	Micro switch with silver contacts	30	3.0	5.0	More information on request.
2	Micro switch with gold-plated contacts	≤ 0.03	≤ 0.04	≤ 0.04	(U x I = max. 0.12 VA)

Process connection / Electrical connection

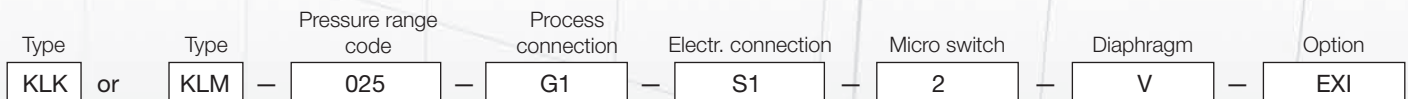
Process connection	Electrical connection	Diaphragm
(M1) M12x1,5 male	(S1) Plug connector, 3-pin + E, EN 175301-803 C	KLK: () NBR
(G1) G1/4 male	(K2) Silicone cable 3x0.5 mm ² ; 600 mm long	KLM: (V) FKM
		KLM: (N) CR
		KLM: (E) EPDM

Options

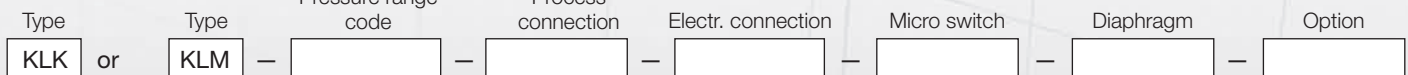
EXI	for intrinsically safe application
HP (KLM only)	operating pressure up to 150 bar

Ordering

Example for order number



Your order number



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