

Compact Pressure Switches KD1 (Piston)

Wiring Code for all Types
(contact status at atmospheric pressure)

- K2 → C = green
NC = white
NO = brown

- A1 → C = Housing
NC = not connected
NO = Spade connector
6,3 DIN 46244

Normally closed → C = Housing
NC = Spade connector
6,3 DIN 46244
NO = not connected

Technical Data

Repeatability	: ± 1% typical
Switching Frequency	: max. 60/min
Max. Temperature	: -40 °C to +80 °C
Pressure Connection	: M 12 x 1,5 male Other connections on request
Electrical Connection	: Silicone cable (Length appr. 0,6 m) - K2 Plug connector DIN 46244 - A1
Electrical Ratings and Hysteresis	: Hysteresis factory set, See chart
Protection Class	: IP58
Housing	: Compact housing made of Brass and Aluminum
Wetted Parts	: NBR and PTFE Stainless steel and roller bearing steel
Intrinsically Safe	: The switches are designed for intrinsically safe applications. Please add 'Exi' to your ordering details when placing an order. To comply with the intrinsically safe approval following max. ratings must not be exceeded: U _{max} = 28 V, I _{max} = 50 mA
Set Point Adjustment	: Factory set
Weight (appr.)	: 0,2 kg

Adjustable Ranges

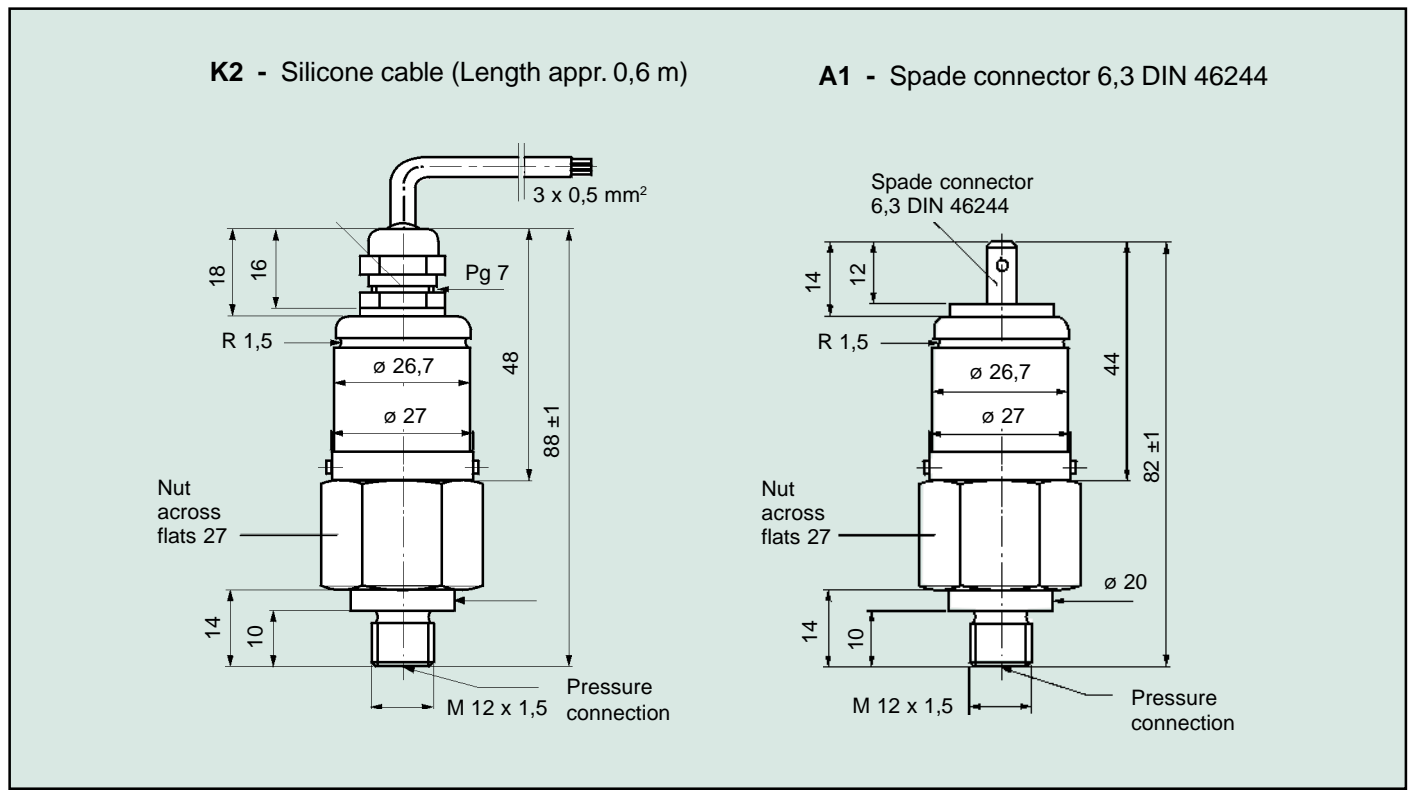
Pressure Range Code	Adjustable Range (bar) (Increasing Pressure)	Proof Press. (short term) in bar	Max. Operating Pressure in bar	Max. Hysteresis of Switch Types in bar (End of Range)
KD1 - 30/100	30 ... 100	450	300	16,5 ... 19,0
KD1 - 60/300	60 ... 300	450	300	34,0 ... 48,0

Electrical Ratings

Silver Contacts:			As the lamp load is hardly relevant in the field we abstain from relating details. More information on request.
	Inductive Load	Resistive Load	
30 V ≈	5,0 A	5,0 A	

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Dimensions (in mm)

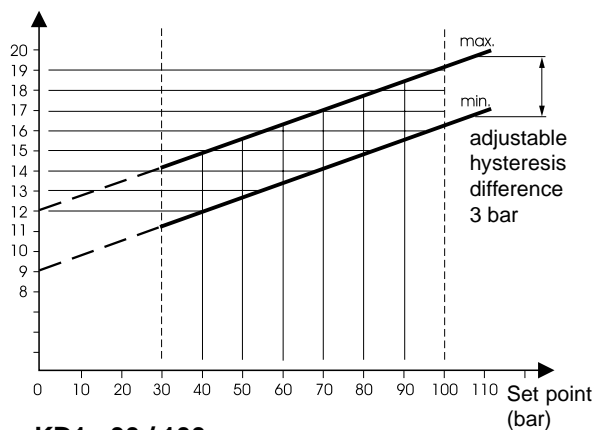


Options and accessories for KD1...

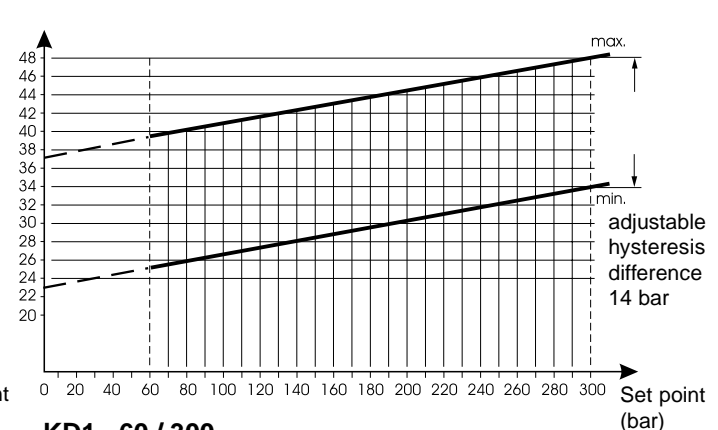
- | | |
|-----|---|
| -A2 | Spade connector DIN 46244, 6,3 mm, blue |
| -K1 | EPD cable (length appr. 600 mm) |

Hysteresis diagrams KD1 (Factory set hysteresis)

Hysteresis (bar)



Hysteresis (bar)



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