M.9

Vacuum

0150

Vacuum switch up to 250 V with snap action switch

- Aluminium housing
- Operating voltage up to 250 V
- Snap action with silver contacts
- Overpressure safety up to 290 psi (20 bar)¹⁾
- Socket device similar to DIN EN 175301 (DIN 43650)
- Differential approx. 1.5" 3" HG (50 150 mbar)(non-adjustable)

		.,	Tolerance in HG (mbar) at room temperature	Thread		Order number
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0150 Vacuum switch

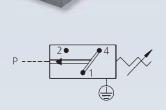
290 psi ¹⁾ (20 bar) ¹⁾	3" - 29" (100- 950 mbar)	± 1.5" (± 50 mbar)	1/8" BSPP female		0150 – 456	15 - 4 - 001
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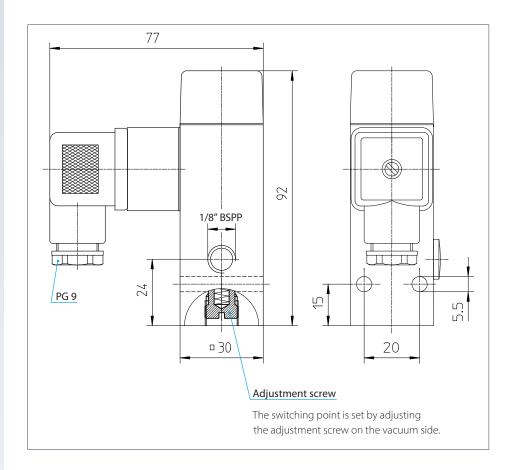
Seal material - Application areas

ECO Air, oils, greases, fuel/gasoline	4	
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Temperature resistance: -4°F...+212°F (-20°C...+100°C)

Your order number: 0150 - 456 15 - 4 - 001







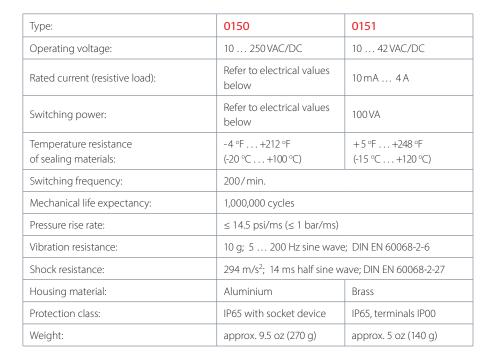


¹⁾ Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.

Vacuum switches

Technical data

M.9



0150 Electrical values (also refer to page 14 for technical explanations)

Rated working voltage U _e	Rated working current I _e (usage category)					
250 VAC 50 / 60 Hz	5 A (AC 12)					
250 VAC 50 / 60 Hz	1 A (AC 14)					
24VDC	3.5 / 3.5 A (DC 12 / DC 13)					
50 VDC	2/1A (DC 12/DC 13)					
75 VDC	1 / 0.5 A (DC 12 / DC 13)					
125 VDC	0.3 / 0.2 A (DC 12 / DC 13)					
250 VDC	0.25 / 0.2 A (DC 12 / DC 13)					
Rated insulation voltage U _i :	300V					
Rated impulse with stand voltage $U_{\rm imp}$:	2.5 kV					
Conventional thermal current I _{the} :	6A					
Switching overvoltage:	< 2.5 kV					
Rated frequency:	DC and 50 / 60 Hz					
Nominal current of short-circuit mechanism:	up to 6.3 A					
Conditional short-circuit current:	< 350 A					
Tightening torque of terminal screws:	< 0.35 Nm					
Connector cross-section:	0.5 1.5 mm ²					



Socket device

to DIN EN 175301-803-A (DIN 43650)

PG9 screw fitting
(tightening range 6 – 9 mm)
terminals for wire cross-sections:
0.34 ... 1.5 mm²
(AWG 22 ... AWG 16),
tightening torque
for terminal screw 0.4 Nm

With socket device fitted: IP65

Suitable for voltages up to 250 V

suitable for series

0150 / 0161 / 0162 / 0175 0184 / 0185 / 0194 / 0195

Order number: 1-1-84-652-009



Socket device

With indicator lamp to DIN EN 175301-803-A (DIN 43650)

PG9 screw fitting
(tightening range 6 – 9 mm)
terminals for wire cross-sections:
0.34 ... 1.5 mm²
(AWG 22 ... AWG 16),
tightening torque

for terminal screw 0.4 Nm

With socket device fitted: IP65

Suitable for voltage 24 or 250 V

suitable for series

0150 / 0161 / 0162 / 0175 0184 / 0185 / 0194 / 0195

Order number:

for 24 VDC: 1-1-84-652-011 for 250 VAC: 1-1-84-652-010



Socket device

M 12x1 DIN EN 61071-2-101 D Straight 4-pin

Terminals for wire cross-section 0.75 mm² (AWG 18), tightening torque for terminal screw 0.4 Nm

With socket device fitted: IP65

Suitable for voltages up to 48 V

suitable for series

0122 / 0123 / 0124 / 0125 0134 / 0135 / 0424 / 0425

and for all transmitters and electronic pressure switches with an M12 connector

Order number: 1-6-00-652-016



Socket device

M 12x1 DIN EN 61071-2-101 D Angled 4-pin

Terminals for wire cross-section 0.75 mm² (AWG 18), tightening torque for terminal screw 0.4 Nm

With socket device fitted: IP65

Suitable for voltages up to 48 V

suitable for series

0122 / 0123 / 0124 / 0125 0134 / 0135 / 0424 / 0425

and for all transmitters and electronic pressure switches with an M12 connector

Order number:

1-6-00-652-017

Vacuum switches



- Switching point can be adjusted when fitted on site 1)
- High overpressure resistance
- Long service life even under harsh conditions
- 0150 series available as a snap action switch, up to 250 V
- 0151 series available as NC or NO up to 42 V

Pressure switches can also be supplied preset at factory.
Our preset switches are sealed with lacquer paint, set points are embossed on the housing.