



COVAL

vacuum managers

just plug it in
pre-set mini-vacuum switch

PSR



PSR: COVAL's pre-set mini-vacuum switch



Strengths

RELIABILITY

- High mechanical resistance thanks to robust aluminum body.
- Compact and ultra light body allows its installation close to the application while improving the reliability of the signal.

PRECISION/SECURITY

- Short response time thanks to the installation close to the suction pads.
- Guarantees precision during the usage thanks to the pre-set vacuum level.
- Available in two pre-set vacuum levels 30 and 50%.
- 4 visual LED indicators with 360° visibility.
- Pre-set vacuum level helps to guarantee the security and avoid unforeseen risks resulting from maintenance operations.

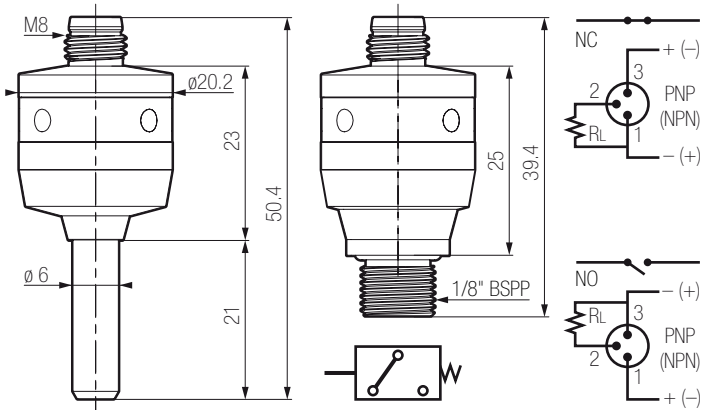
CONNECTIONS

- Two vacuum connection possibilities: push fitting Ø6 mm or threading 1/8" BSPP male.
- M8 connection 3-pin.

SIMPLE AND ECONOMIC

- Ideal for the application which needs a simple "object gripped" signal.
- Efficient and economic solution for all applications with an individual vacuum generator for each suction pad.

General characteristics



- Maximum overpressure: 3 bar.
- Pre-set values for output contact:
 - 30 %
 - 50 %
- Hysteresis: 10 % of max. vacuum.
- Current supply: 24 V DC (18 V DC mini/ 30 V DC max).
- Current draw: < 30 mA.
- Switching power: 100 mA.
- Response time: 4 ms

- Function according to the output connection:
 - PNP NO/NC.
 - NPN NO/NC.
- Visual indicator: 4 red LEDs at 360°.
- Electrical connection: M8 male 3-pin.
- Materials: Aluminum/Brass/PU.
- Degree of Protection: IP40.
- Temperature range: -25 to 85°C.
- Weight: 15g.
- Endurance: 1 million cycles minimum.

To order

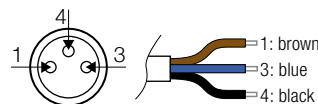
PSR	30	M	D6
PRE-SET VACUUM LEVEL		VACUUM CONNECTION	
30% vacuum	30	D6	for push fitting 6 mm OD tube
50% vacuum	50	G18	1/8" male BSPP

EXAMPLE OF A STANDARD MODULE:

PSR30MD6 (mini-vacuum switch PSR with 30% pre-set vacuum range, vacuum connection through push fitting for 6mm OD tube).

M8 ELECTRICAL CONNECTORS

- Screw type female connectors.
- PVC cable with 2m length, pre-assembled 3 wires.
- Degree of protection IP 65.



- straight : ref. CDM83P
 - elbow: ref. CCM83P
- 2m. length

Distributed by:



COVAL VACUUM TECHNOLOGY INC.
212-112 Powell Drive
Raleigh, NC 27606
Phone : (919) 233-4855
Fax : (919) 233-4854

www.coval-inc.com