

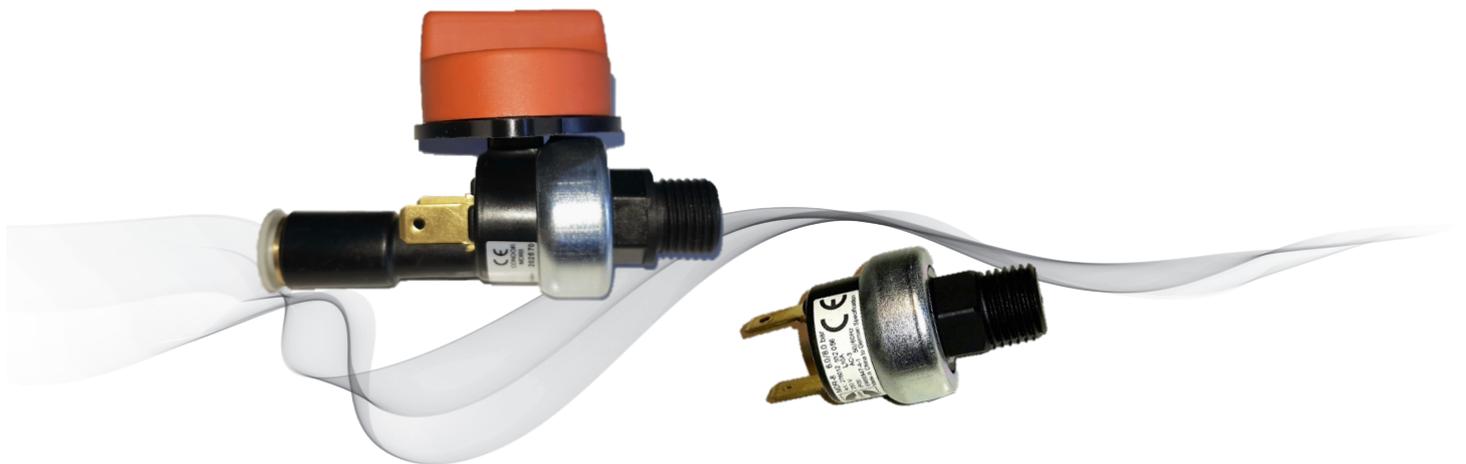


SINCE 1893

## Mini-Size pressure Switch MDR-8<sup>®</sup>

FOR OEM CUSTOMERS

COMPACT AND ECONOMICAL...



[www.condor-cpc.com](http://www.condor-cpc.com)

### Pressure switch MDR-8

...the patented Mini-Size pressure switch, for mass production



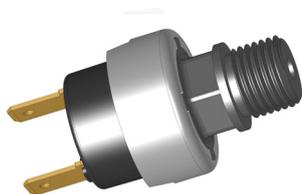
For many price sensitive applications with limited available space, cost-effective but powerful pressure switches are needed. The mechanical Condor Mini-Size pressure switch MDR-8 with NC contact is ideally suited for the mass production due to its compact design and the fixed pressure setting.

- Mini-Size pressure switch - compact and therefore easy to install
- suitable for direct start, e. g. for compressors and pumps
- Cost-effective mechanical pressure switch with N.C. contact
- for covered installation or installation in a front panel / housing
- For on-off switch and unloader valve
- Factory fixed pressure settings
- Electronic switch capacity AC3;15A 120V UL approval E304323; 10A 240V
- Electrical connection: flat connection 6,3 mm
- Flange = PA 66 GF 30 VO (Polyamid 66 + 30% Glass filled)
- for mass production, perfect for industrial customers!
- [Worldwide Patent \(no. US8.809,707 USA; MI2008A000650 Italien; ZL200910159889,7 China\)](#)

MDR-8

Suitable for direct start, e.g. for compressors and pumps

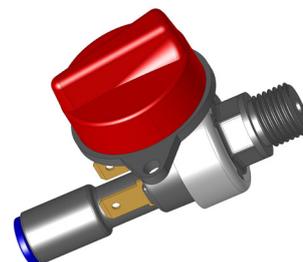
### Types MDR 8



MDR-8 Standard  
Standard



MDR-8 with EA  
(on-off switch)



MDR-8 with EA + EV  
(on-off switch and Unloader valves)

### Type overview Pressure Switch MDR 8 with plastic flange

and PI-diaphragm, 20-piece packing unit

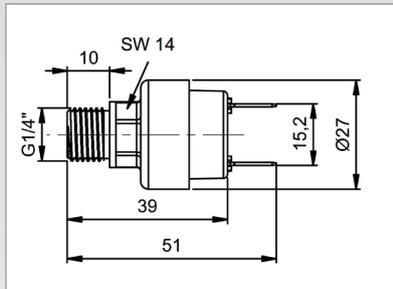
Pressure connection: G 1/4" outer thread plastic, connection configuration according to DIN

Order reference	Description	Type code	ON / OFF Rotary knob	Pressure range P <sub>OFF</sub> in bar	Tolerance	Flange	Weight (in g / 1 pcs.)	Part No.
MDR-8/8	Standard	MDR-8 A AAAA 060A080 XX	-	6,0 - 8,0	± 0,5 bar	G 1/4"	20	276081
MDR-8/9	Standard	MDR-8 A AAAA 070A090 XX	-	7,0 - 9,0	± 0,5 bar	G 1/4"	20	295518
MDR-8/10	Standard	MDR-8 A AAAA 080A100 XX	-	8,0 - 10,0	± 0,5 bar	G 1/4"	20	279884
MDR-8/8 -EA	with EA	MDR-8 B AAAA 060A080 XX	EA	6,0 - 8,0	± 0,5 bar	G 1/4"	30	279907
MDR-8/9 -EA	with EA	MDR-8 B AAAA 070A090 XX	EA	7,0 - 9,0	± 0,5 bar	G 1/4"	30	295532
MDR-8/10 -EA	with EA	MDR-8 B AAAA 080A100 XX	EA	8,0 - 10,0	± 0,5 bar	G 1/4"	30	279921
MDR 8/8 -EA/EV	with EA + EV	MDR-8 C AAAA 060A080 XX	EA	6,0 - 8,0	± 0,5 bar	G 1/4"	40	279945
MDR 8/8 -EA/EV	with EA + EV	MDR-8 C AAAA 070A090 XX	EA	7,0 - 9,0	± 0,5 bar	G 1/4"	40	294238
MDR 8/10-EA/EV	with EA + EV	MDR-8 C AAAA 080A100 XX	EA	8,0 - 10,0	± 0,5 bar	G 1/4"	40	279969

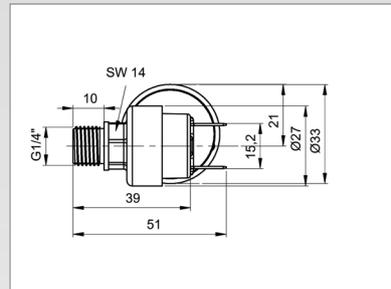
Mounting as well as the IP protection has to be provided by the customer. For damages or malfunctions, caused by incorrect mounting, the manufacturer is not responsible. In case of opening the device, the warranty expires.

The pressure setting is fixed by the manufacturer and cannot be changed by the customer.

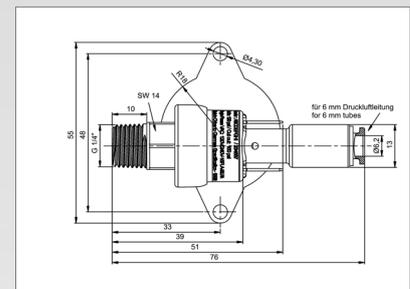
### Dimensions MDR 8 / Circuit diagram MDR-F / Electrical connection



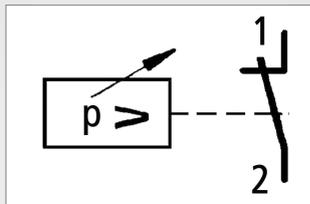
Pressure switch MDR 8 - Standard



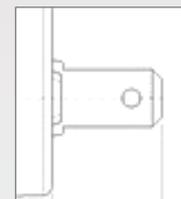
Pressure switch MDR 8 - with EA  
(on-off switch)



Pressure switch MDR 8 with EA + EV  
(on-off switch + unloaded valve)



Electrical connection



Electrical connection with blade receptacle  
6,3 x 0,8 acc. DIN 46245-3

#### Technical data MDR-8

Rated operating current $I_e$ (DIN EN 60947-4-1) $U_e = 240 \text{ VAC}$	10 A
Rated operating current $I_e$ (UL 508, CSA 22.2) $U_e = 120 \text{ VAC}$	15 FLA 90 LRA
Electrical lifetime in cycles ( $I_e$ , inductive Last)	$> 3 \times 10^4$
Mechanical lifetime in cycles	$> 1 \times 10^5$
Max. electrical cycles / h	300
Max. mechanical lifetime in cycles / h	300
Degree of protection	IP 00

#### Technical data MDR-8

Temperatur range	0 °C bis +70 °C
Vibration resistance	4 g (bei 10 bis 1000 Hz)
Bursting strength $P_z$	$> 20 \text{ bar}$
Max. Operating pressure	$P_{off} + 2 \text{ bar}$
Contact material	$\text{AgSnO}_2$
Flange material	PA 66 30%GF VO
Diaphragm material	Polyimid (PI)
Pressure port	G 1/4"

#### Media resistance MDR-8

A detailed overview of diaphragm media resistance for all pressure switches can be found on our website.  
Please read the information carefully.



\*Technische Änderungen und Irrtümer vorbehalten.

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# CONDOR - INVENTORS OF THE PRESSURE SWITCH



MDR-P Compact pressure switch for OEM customers



MDR-3 High performance pressure switch for 3-phase currents

Finding the solution for your problems is our top priority

Our team can advise competently about all possibilities for a solution for your existing problems. Simply contact us. We support you purposefully and professionally with realization of your project according to your requirements.

**We develop individually tailored solutions in the areas of pressure technology and control technology with the focus pump industry and compressor industry**

Contact us or visit our web site for detailed product information - [www.condor-cpc.com](http://www.condor-cpc.com).



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