

# 0342 / 0343

Diaphragm / piston pressure switches up to 250 V acc. to IECEx scheme

ATEX CE Ⓜ II 2G Ex db IIC T6 / T5 Gb (gas-protected zones 1 + 2)

ATEX CE Ⓜ II 2D Ex tb IIIC T80°C / T100°C Db (dust-protected zones 21 + 22)

ATEX CE Ⓜ I M2 Ex db I Mb (mining)

- Operation voltage up to 250 V, protection class 2, protective insulation
- Overpressure safety up to 300 / 600 bar<sup>1)</sup>
- Certification according to IECEx scheme

$P_{max}$ in bar	Adjustment range in bar	Tolerance at room temperature in bar	Thread	Article number
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## 0342 Diaphragm pressure switch

300 <sup>1)</sup>	0.3 – 1.5	± 0.2	G 1/4 DIN 3852-2-A	0342 - 457 60 - X - 020
	1 – 10	± 0.5 – 1.0		0342 - 458 60 - X - 020
	10 – 20	± 1.0		0342 - 459 60 - X - 020
	20 – 50	± 2.0		0342 - 461 60 - X - 020

300 <sup>1)</sup>	0.3 – 1.5	± 0.2	NPT 1/4 <sup>2)</sup>	0342 - 457 09 - X - 020
	1 – 10	± 0.5 – 1.0		0342 - 458 09 - X - 020
	10 – 20	± 1.0		0342 - 459 09 - X - 020
	20 – 50	± 2.0		0342 - 461 09 - X - 020

## 0343 Piston pressure switch

600 <sup>1)</sup>	50 – 150	± 5.0	G 1/4 (DIN 3852-2-A)	0343 - 460 60 - X - 020
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600 <sup>1)</sup>	50 – 150	± 5.0	NPT 1/4	0343 - 460 09 - X - 020
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## Seal material – Application areas

NBR	Hydraulic/machine oil, air, nitrogen, etc.	1
EPDM	Brake fluid, water, hydrogen, oxygen, acetylene, etc.	2
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
FFKM <sup>3)</sup>	Hot water, chemical acids, diluted alkalis, ketones, ester's, alcohols	6
HNBR	Hydraulic/machine oil, ester-based bio-oils	9

Refer to page 82 for the temperature range and application thresholds of sealing materials.

Article number: **034X - XXX XX - X - 020<sup>4)</sup>**

**Piston pressure switches only have limited suitability for use with gases (refer to Page 17 for explanations).**

<sup>1)</sup> Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.  
<sup>2)</sup> For small quantities only available with thread adapter (G1/4 to NPT1/4). Please consult SUICO for further information.  
<sup>3)</sup> Only suitable for diaphragm pressure switches (Type 0342).  
<sup>4)</sup> End number -020 corresponds to the standard cable length of 2 m.  
 For a cable length of 5 m, please specify end number -050.

M.8  
ATEX

SUICO



## Contact assignment

- 1 = black
- 2 = red
- 4 = white

