Pressure sensors


## PN7024

| Operating temperature [ ${ }^{\circ} \mathrm{C}$ ] | -25... 80 |
| :---: | :---: |
| Medium temperature [ ${ }^{\circ} \mathrm{C}$ ] | -25... 80 |
| Storage temperature [ ${ }^{\circ} \mathrm{C}$ ] | -40... 100 |
| Protection | IP 65, III |
| Insulation resistance [M ${ }^{\text {] }}$ ] | $>100$ (500 V DC) |
| Shock resistance [g] | 50 (DIN / IEC 68-2-27, 11ms) |
| Vibration resistance [g] | 20 (DIN / IEC 68-2-6, $10-2000 \mathrm{~Hz}$ ) |
| Switching cycles min. | 100 million |
| EMC | IEC 1000/4/2 ESD: $4 \mathrm{kV} \mathrm{CD} / 8 \mathrm{kV}$ AD <br> IEC 1000/4/3 HF radiated: $10 \mathrm{~V} / \mathrm{m}$ <br> IEC 1000/4/4 Burst: 2 KV <br> IEC 1000/4/6 HF conducted: 10 V |

Housing material
EPDM/X (Santoprene)
FPM (Viton)
PA
Pocan
PC (Macrolon)
PTFE
stainless steel (304S15)
Materials (wetted parts)

| stainless steel (304S15) |
| :---: |
| stainless steel (303S22); ceramics; FPM (Viton) |

Function display
Switching status LED
System pressure, function LED
Connection
7-segment LED display
M12 connector, gold-plated contacts
Wiring
Programming of the output
function:
Hno = hysteresis / normally open
Hnc = hysteresis / normally
closed
Fno = window function / normally
open
Fnc = window function $/$ normally closed

Complementary outputs:
output 1: = Hno, output 2: = Hnc
(with the same SP / rP)

${ }^{*}$ ) at rectangular pressure characteristic and setting: switch-on point $(\mathrm{SPx})=70 \%$, switch-off point $(\mathrm{rPx})=30 \%$

