



Force Sensor PCE-C-R12LFC-H4 series 5-50 kg



The flat miniature force sensor has a height of only 4 mm. With a diameter of 12 mm, this miniature force sensor is very compact. This force sensor achieves a measurement uncertainty of only 0.5%.

Subject to change

Specifications

Rated load / force F.S.	5 / 10 / 20 / 30 / 50 kg 50 / 100 / 200 / 300 / 500 N ! Rated load / force selectable !
Limit load / force	120 %
Breaking load / force	150 %
Rated output	1.0 – 1.5 mV/V
Operating range of supply voltage	2.5 V – 5 V
Maximum supply voltage	5 V
Deviations of the zero signal	± 2 % F.S.
Linearity deviation	0.5 % F.S.
Reverse voltage (hysteresis)	0.5 % F.S.
Repeatability	0.5 % F.S.
Stress creep (30 min)	0.1 % F.S.
Input resistance	350 ± 10 Ω
Output resistance	350 ± 3 Ω
Insulation resistance	≥5000 MΩ / 100 VDC
Nominal range of ambient temperature	-10 ... 60 °C / 14 ... 140 °F
Service temperature range	-20 ... 80 °C / -4 ... 176 °F
Temperature coefficient of characteristic value	0.1 % F.S. / 10 °C
Temperature coefficient of zero point	0.1 % F.S. / 10 °C
Sensor cable	Ø 2 x 3 m / (ends open) EXC+ = red EXC- = black
Cable assignment	SIG+ = green SIG- = white GND = yellow
Material / measuring body	stainless steel
Protection	IP65

! N.B. Rated load / force selectable !

More information

More product info



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