



- 1: pressure sensor
- 2: setting dial for adjusting the pneumatic bridge
- 3: supply pressure
- 4: measuring branch
- 5: mounting hole
- 6: thread M5



Product characteristics

Control unit for part seat monitoring

Cable

Setting by adjustment
of the pneumatic bridge

Integrated pressure sensor
with 2 switching outputs
and 4-digit alphanumerical display
for trend display or display of current pressure

Application

Application

Type of pressure: relative pressure
Backpressure measurement for part seat monitoring

Tests / approvals

MTTF

[Years]

161

Mechanical data

PS7570 - Control unit for part seat monitoring - eclass: 27201302 / 27-20-13-02

Weight	[kg]	0.861
Remarks		
Pack quantity	[piece]	1
Other data		
Pneumatic block		<p>Anschluss für Versorgungsdruck: 2 x Gewinde 1/8" für Steckverschraubung / in Tunnelbohrung für Kupplungshülse Messluft-Anschluss: 3 x Gewinde 1/8" für Steckverschraubung Montage: Bohrungen für M5-Befestigungsschrauben (als Zubehör mitgeliefert) und M5-Gewinde an Geräterückseite Reihenmontage möglich; Weiterleitung der Druckluft durch Kupplungshülsen (als Zubehör mitgeliefert) Schockfestigkeit: 5 g (DIN / IEC 68-2-27, 11ms) Vibrationsfestigkeit: 5 g (DIN / IEC 68-2-6, 10 - 2000 Hz)</p>
Pressure sensor		<p>2 switching outputs (pnp / npn; normally open / closed programmable) operating voltage: 20...32 V DC current rating: 2 x 250 mA voltage drop: < 2 V current consumption: < 60 mA accuracy of switch point: < ± 0.5 % of the span hysteresis: < ± 0.1 % of the span repeatability: < ± 0.1 % of the span temperature coefficient of the zero point: < ± 0.1 % of the span per 10 K (in the compensated temperature range 0...80 °C)</p>
Supply pressure		<p>system pressure: 0.7 up to max. 1.5 bar recommended quality class of the air supply (to DIN ISO 8573-1): class 2</p>
Material		<p>pneumatic block: aluminium, brass, nickel-plated steel, FPM (VITON), NBR pressure sensor (wetted parts): stainless steel (303S22); ceramics; FPM (Viton)</p>
Connection		<p>M12 connector pin 1 = L+ / pin 2 = OUT2 / pin 3 = L- / pin 4 = OUT 1</p>
Available accessories		<p>thread extension G1/8 BSPP (order no. E30075) push-in air fitting for tubes Ø 6 mm (order no. E30076) push-in air fitting for tubes Ø 8 mm (order no. E30077)</p>