

6.2 Pressure sensors

Absolute pressure sensors



Product type

DS-S2-TF

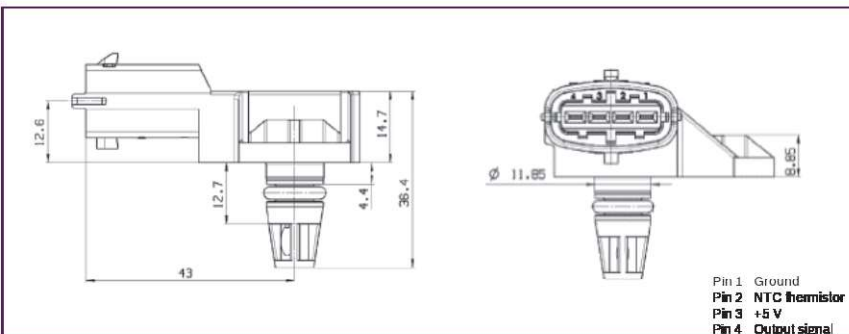
Part number

0 281 002 576

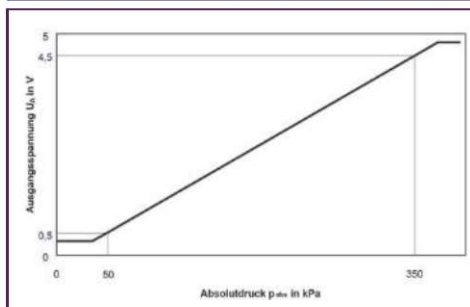
Picture



Dimensional drawings



Characteristic curve



Technical data

Parameter	min.	type	Max.
Features	Integrated temperature sensor		
Pressure range ($p_1...p_2$)	kPa	50	400
Supply voltage U_V	V	4,75	5,25
Load current I_L at output	mA	-1	0,5
Response time $\tau_{10/90}$	ms		1
Operating temperature	°C	-40	+130

Limit data

Operating temperature	°C	-40	+130
-----------------------	----	-----	------

Temperature sensor

Measuring range	°C	-40	+130
Measurement current ¹⁾	mA		1
Rated resistance at +20°C	kΩ	2,5 ± 5 %	
Temperature/time constant τ_{63} ²⁾	s		10

¹⁾ Operation with 1 kΩ series resistance.

²⁾ In air with flow velocity 6 m/s.

Accessories

Connector housing	4-pin	1 928 403 736
Contact pins (tin-plated)	For Ø 0.5...1.0 mm²; Contents:	1 928 498 060
Contact pins (tin-plated)	For Ø 1.5...2.5 mm²; Contents:	1 928 498 061
Single-wire seal	For Ø 0.5...1.0 mm²; Contents:	1 928 300 599
Single-wire seal	For Ø 1.5...2.5 mm²; Contents:	1 928 300 600
Dummy plug		1 928 300 601

Accessories are not included in the scope of delivery of the sensor and therefore to be ordered separately as required.