

3.4 Pressure sensors

High pressure sensor (diesel)



Product type

DS-HD-RDS4.2

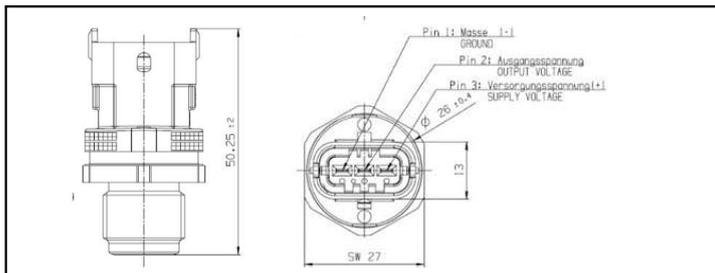
Part number

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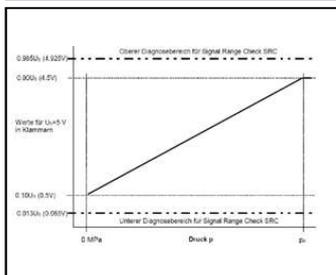
Picture



Dimensional drawings



Characteristic curve



Technical data

Pressure range	P_N	bar (MPa)	2000 (200)
Max. feed voltage	U_s	V	16
Supply voltage	U_v	V	$5 \pm 0,25$
Load capacitance to ground		nF	13
Thread			M 18 x 1,5
Application/medium			Diesel or biodiesel*
Temperature range		°C	- 40 ... + 130
Max. overpressure	p_{max}	bar	2300
Rupture pressure	p_{berst}	bar	4000
Response time	τ_{ni}	ms	2

*RME rapeseed methyl ester.

Attention: product also available with other pressure ranges, such as 1500 or 1800 bar. For details, please approach us via contact page.

Accessories

Connector housing	3-pin	1 928 403 966
Contact pins (gold-plated)	For \varnothing 0.5...1.0 mm ²	1 928 498 054
Contact pins (gold-plated)	For \varnothing 1.5...2.5 mm ²	1 928 498 055
Single-wire seal	For \varnothing 0.35...1.0 mm ²	1 928 300 599
Single-wire seal	For \varnothing 1.5...2.5 mm ²	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.

[▶ Product groups](#)