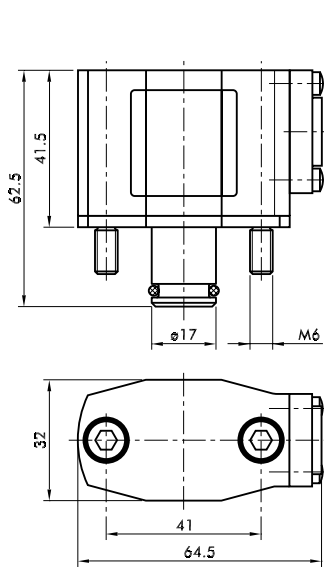
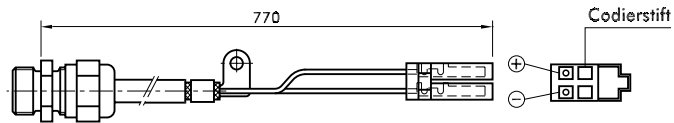


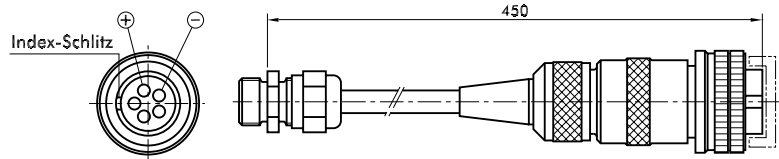
Massbilder / Cotes d'encombement / Dimensions



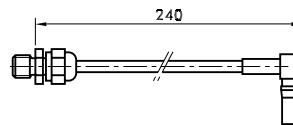
8773.50.4000...



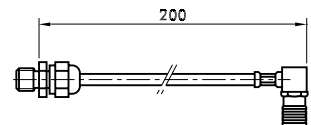
XXXX.XX.XXXX 01



XXXX.XX.XXXX 03



XXXX.XX.XXXX 21



XXXX.XX.XXXX 02

Elektrische Daten

Ausgangssignal	
Digital:	Stromimpulse
Dichte Signal:	Frequenz der Impulsfolge
	10...253 Hz (= Dichte
	0...51.22 kg SF ₆ /m ³)
Speisespannung:	15 (10...20) VDC
Erdung:	an Gasanschluss des Sensors
Reaktionszeit:	<10 ms (bei Druckänderung)
Temperatursignal:	Impulsbreite
	2188 ... 2565 ... 2975ms
	(=Temp. -40...23...85°C)

Spécifications électriques

Signal de sortie	
Numérique:	impulsion de courant
Signal de densité:	fréquence des impulsions
	10...253 Hz (régime
	0...51.22 kg SF ₆ /m ³)
Tension d'alimentation:	15 (10...20) VDC
Mise à la terre:	au raccord de gaz du capteur
Temps de réponse:	<10ms(changement de
	pression)
Signal de temp.:	durée des impulsions
	2188 ... 2565 ... 2975ms
	(=Temp. -40...23...85°C)

Electrical data

Output signal	
Digital:	current pulses
Density signal:	pulse frequency
	10...253 Hz (range
	0...51.22 kg SF ₆ /m ³)
Supply voltage:	15 (10...20) VDC
Ground:	at gas connection of sensor
Reaction time:	<10 ms (with pressure
	changes)
Temperature signal:	Pulse width
	2188 ... 2565 ... 2975ms
	(=Temp. -40...23...85°C)

Betriebsdruck max. / Pression de service / Operating pressure

20 bar

Feuchtigkeit / Humidité / Humidity

freilufttauglich / installation en plein air possible / suitable for outdoor usage: 55°C & 98% relative

Schutzart / Protection / Protection

IP65

Anziehdrehmoment Druckanschluss / Couple de serrage raccord de pression / Torque moment pressure connection

max. 25Nm



Nenntemperatur / Température nominale / Nominal temperature

-40°C ... +70°C

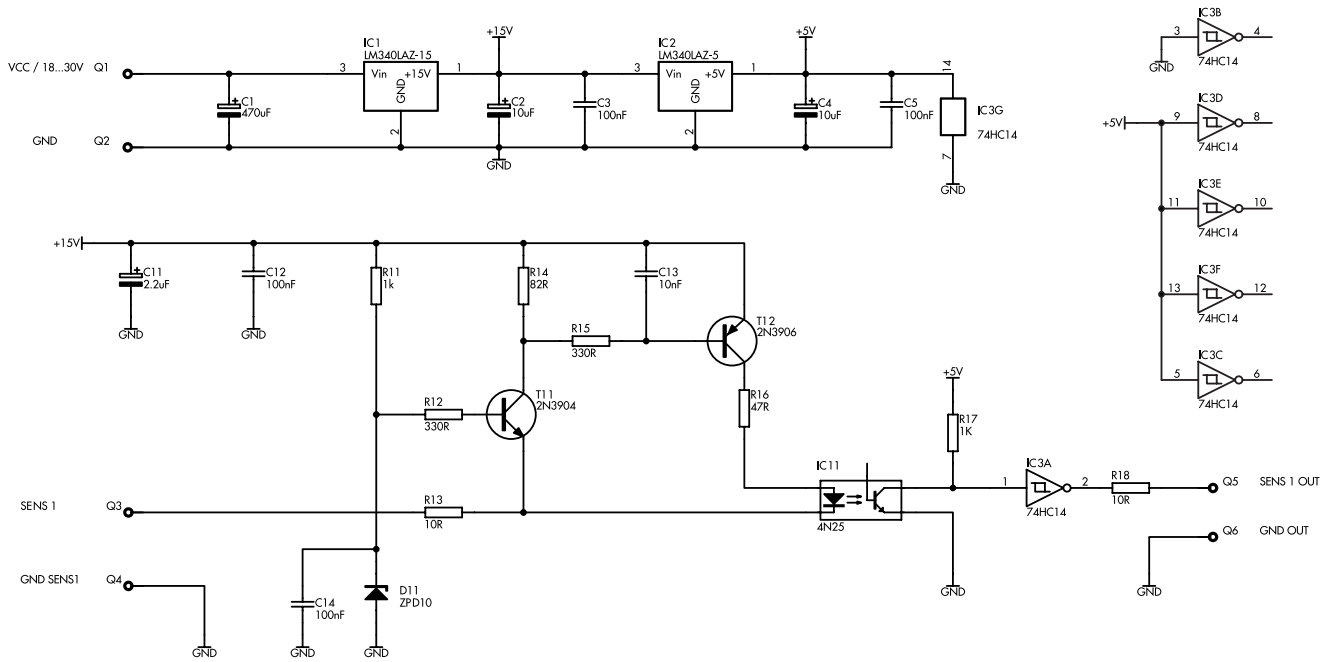
Lagertemperatur / Température de stockage / Storage temperature

-40°C ... +85°C

Medientemperatur / Température de fluide / Media temperature

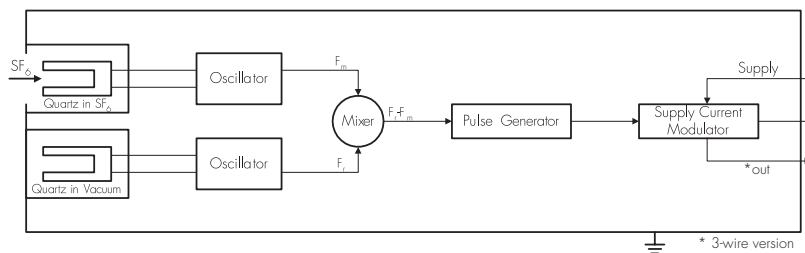
-40°C ... +70°C

El. Schaltschema für Signalauswertung / Schéma de circuits pour évaluation du signal / Electric schematic diagram for signal analysis

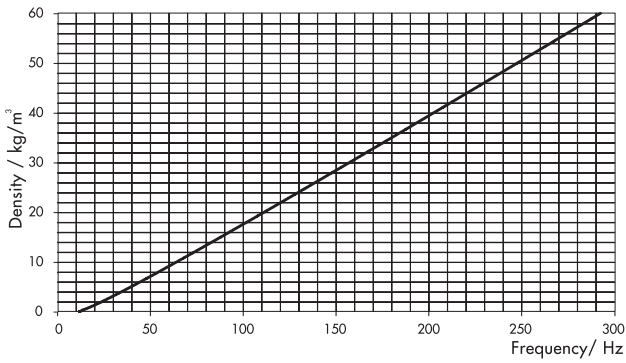


Es wird empfohlen, eine konstante Spannungsquelle zu benutzen, um den Stromverbrauch des Sensors zu messen.
 Il est recommandé d'utiliser une source de tension constante, pour mesurer la consommation du capteur.
 It is recommended to use a constant voltage source to measure the current consumption of the sensor

Funktionsschema / Schéma fonctionnel / Functional diagram

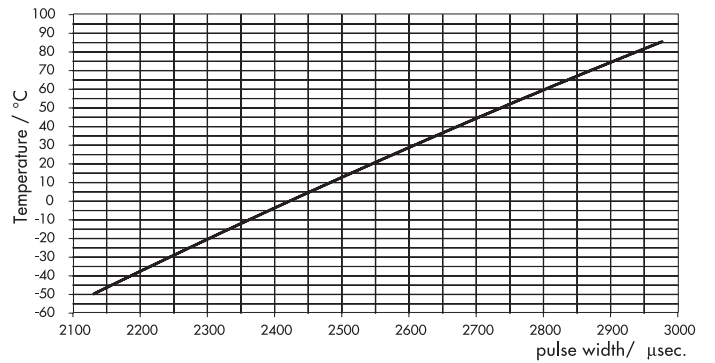


Umrechnung Messfrequenz in SF6 Gasdichte
 Conversion de la fréquence de mesure en densité de gaz SF6
 Conversion frequency to SF6 gas density



Dichte/ Densité/ Density $\rho = \{ \sqrt{(0,237 * F[\text{Hz}]) - 2,182 - 0,44} \}^2$

Impulsbreite bei Temperatur
 largeur d'impulsion à température
 Pulse width at temperature



Temp. $T = -1,951 * 10^{-5} * I [\mu\text{s}]^2 + 0,2595 * I [\mu\text{s}] - 514,3$

current pulses, height typical 12-14 mA; power consumption electronics, without pulses typical 2 mA

