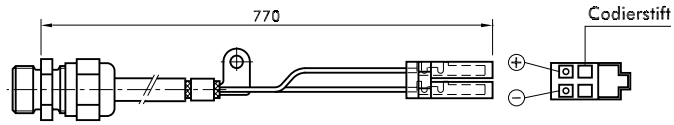
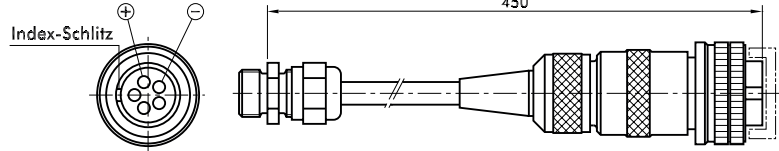


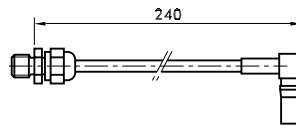
8773.50.4000...



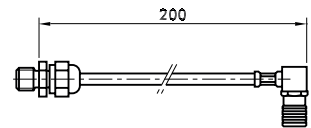
XXXX.XX.XXXX.01



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)
Betriebsdruck max:	20 bar
Feuchtigkeit:	freilufttauglich: 55°C und
	98% relativ
Schutzart:	IP 65
Anziehdrehmoment Druckanschluss:	max. 25 Nm
Umgebungstemperatur:	-40°C ... +70°C
Medientemperatur:	-40°C ... +70°C
Lagertemperatur:	-40°C ... +85°C

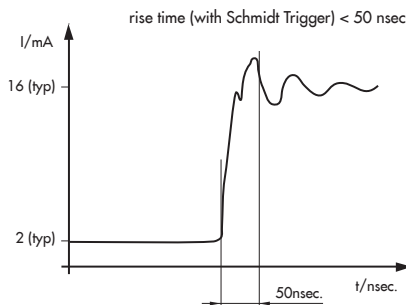
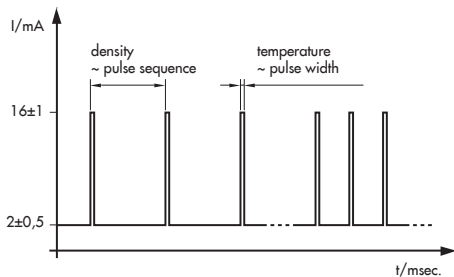
Spécifications électriques

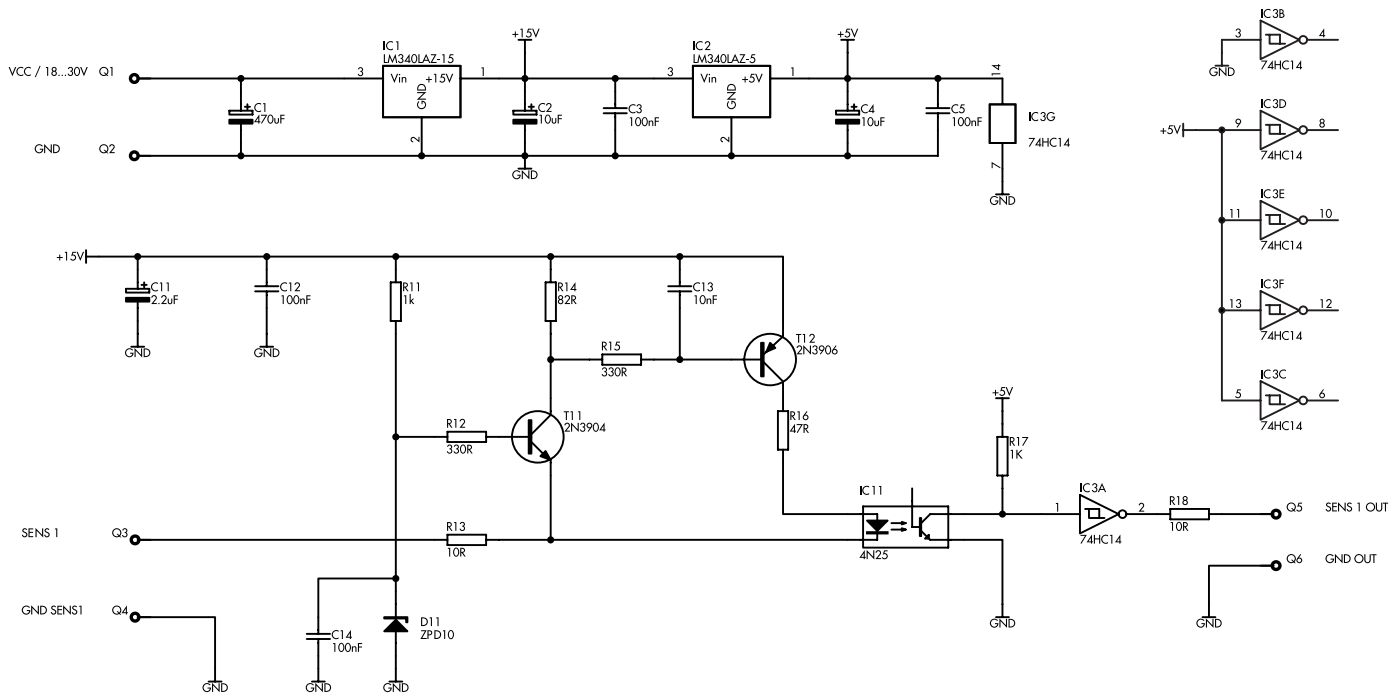
Signal de sortie	
Numérique:	impulsion de courant
Signal de densité:	fréquence des impulsions
	10...253 Hz (régime
	0...51.22 kg SF ₆ /m ³)
Tension d'alimentation:	15 (10...20) VDC
Mise à la terre:	au raccord de gaz du capteur
Temps de réponse:	<10 ms (changement de
	pression)
Signal de temp.:	durée des impulsions
	2188 ... 2565 ... 2975ms
	(=Temp. -40...23...85°C)
Pression de service max:	20 bar
Humidité:	utilisable à l'extérieur: 55°C
	et 98% relative
Protection:	IP 65
Couple de serrage raccord de pression:	max. 25 Nm
Température ambiante:	-40°C ... +70°C
Température de fluid:	-40°C ... +70°C
Température de stockage:	-40°C ... +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)
Operating pressure max:	20 bar
Humidity:	suitable for outdoor use: 55°C and
	98% relative
Protection:	IP 65
Torque moment pressure connection:	max. 25 Nm
Ambient temperature:	-40°C ... +70°C
Media temperature:	-40°C ... +70°C
Storage temperature:	-40°C ... +85°C

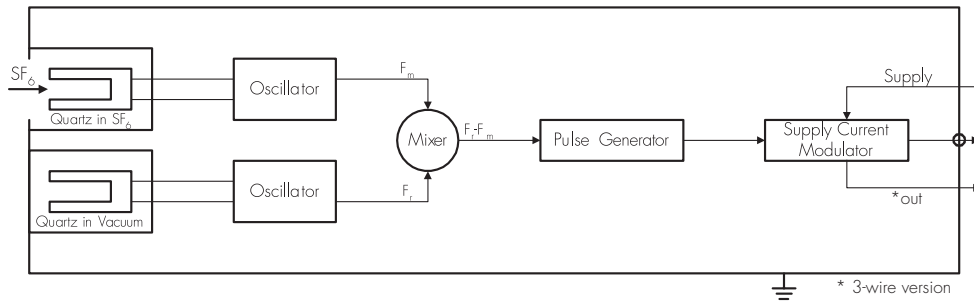
Current pulses, height typical 12-14 mA; power consumption electronics, without pulses typical 2 mA





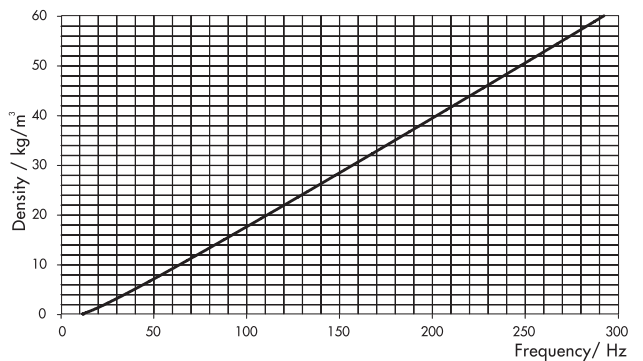
Es wird empfohlen, eine konstante Spannungsquelle zu benutzen, um den Stromverbrauch des Sensors zu messen.
 Il est recommandé d'utiliser une source de tension constante, pour mesurer la consommation du capteur.
 It is recommended to use a constant voltage source to measure the current consumption of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

Funktionsschema / Schéma fonctionnel / Functional diagram



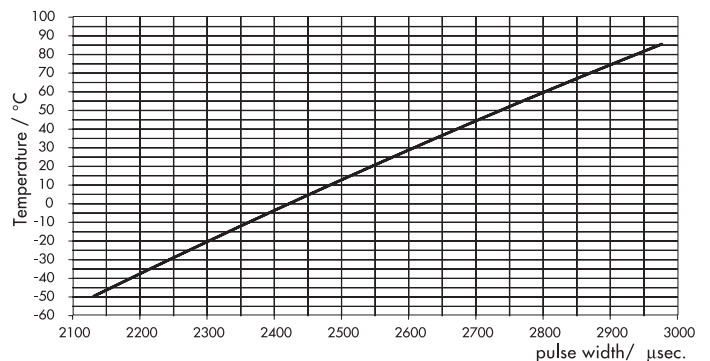
Ausgangssignal digital / Signal de sortie numérique / Output Signal digital

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



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

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



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