



operating voltage	12 ... 24V DC
output impedance	1k ... 20kΩ
range output signal	0.5 ... 4.5V
resolution output (V _{in} =12V)	50mV
accuracy output	±100mV
distance range	420mm blind_zone<=50mm
operating temperature	-40 ... +85°C
storage temperature	-50 ... +100°C
material housing	Nylon 6
chemical resistance	LPG, diesel, engine oil, hydraulic fluids, coolant
EMC	50V/m
mechanical shock	18g shock
drop test	fall from 120cm
vibration	4g _{rms} 8h each axis
humidity accuracy	85% at 85°C for 1000h
angle of beam spread	±6°

Parts included rubber gasket
 Sensor will fit fuel tank mounting hole per SAE J1810
 part number on top side

pos.	ind.	kind of modification	date	name

MOTOMETER	date	19.04.12
	sig.	Augustin
	rev.	
for dimensions without tolerance indication: DIN ISO 2768 mittel	pass.	

customer number:

description:
 ultra sonic sensor
 420mm

scale: drawing number:
 608 043 1051

measured value file : 608_043_1051
 damping : middle
 mating connector : 664 010 4118
 output signal : empty=0,5V, full=4,5V
 characteristic line : linear for spacer

electrical connection:		
Pin	wire color	assignment
A	blk	ground
B	ye	signal
C	rd	voltage