

NOVOHALL Angle Sensor non-contacting

Series RSC3200





Special features

- non-contacting, magnetic measuring principle (Hall)
- analog interface
- redundant system
- electrical range up to 360°
- temperature range -40° up to +125° C
- simple mounting
- protection class IP6k7/IP6k9k
- long life
- very favourable price /performance ratio
- european E1 approved

Applications

For mobile and automotive applications such as

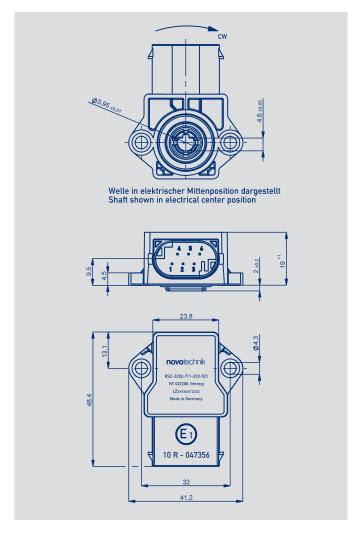
- throttle
- EGR valves
- transmission gear
- accelerator

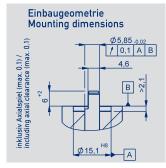
The housing is made of a special high grade temperature-resistant plastic material. Fixation with brass bushings allow simplicity of mounting.

The customer's D-shaft is inserted into the shaft coupling of the sensor and also takes over the function of the bearing for the position magnet.

Despite of its compact and wear-free design the sensors are very robust against environmental influences like vibrations, temperature variations, dirt and humidity. These sensors are suitable for use in all kinds of rough environment for example close to engines in automotive applications.

Special models with different electrical angles and contact versions are available upon request.

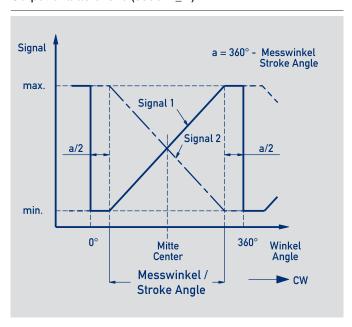




Description	
Housing	high-grade, temperature-resistant plastic
Integrated shaft coupling	high-grade plastic
Electrical connections	6-pin MQS-connector, code A, tinned contact according to drawing AMP-114-18063-126, Index A1 (connector: AMP P/N 1-967616-1)
Sealing	O-ring

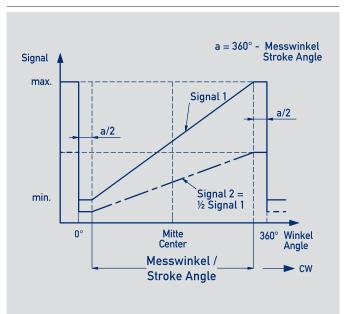


Output characteristic (code 2 _ 4)



Connection assignment	MQS-connector
GND 2	Pin 1
GND 1	Pin 2
Supply voltage 1	Pin 3
Supply voltage 2	Pin 4
Output 2	Pin 5
Output 1	Pin 6

Output characteristic (code 2 2 9)





tions		
ata		
e of mounting screws		Ncm
ge		
vel		۰
rational speed		
		g
a		
missible applied voltage		VDC
mption without load		mA
ty protection		
rotection		
ge		0
annels		
		kHz
		bit
		0
rity at measuring angle		
3 - 3 -		± % FS
		± % FS
		VDC
		VDC
rror at measuring angle		. 0/ FC
		± % FS
I Data		
ıl Data		
ange		°C
60068-2-6)		Hz
		mm g
068-2-27)		g
ISO 13849,		Years
ethod, w/o load)		70010
ety	systems,	
~-,	,,000110,	
ss (ISO 20653)		
bility		
	Test 8 kV	
	1)	

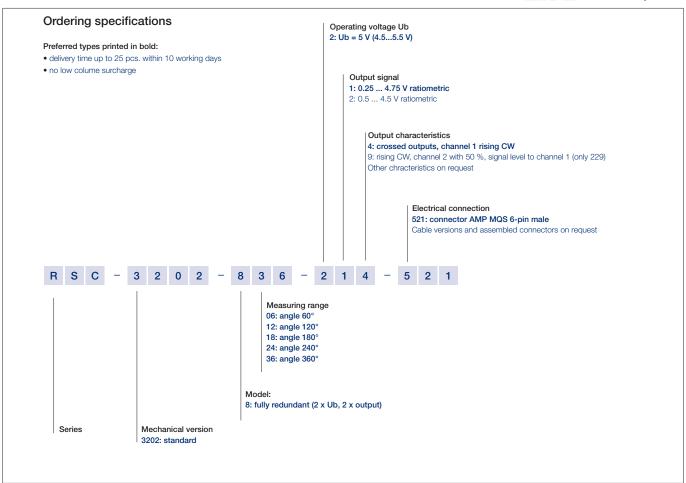


Novotechnik Messwertaufnehmer OHG

Postfach 4220 73745 Ostfildern (Ruit) Horbstraße 12 73760 Ostfildern (Ruit)

Telefon +49 711 4489-0 Telefax +49 711 4489-118 info@novotechnik.de www.novotechnik.de





Necessary accessories

- Mating connector: plug socket (female), AMP P/N 1-967616-1
- Tinned contact for cable cross-section area 0.3...0.5 mm², (AWG 22)

AMP P/N 963727-1 (6x),

- Single conductor sealing AMP P/N 967067-2 (6x)
- Female Connector-Kit EEM 33-34, P/N 005666, consisting: 1 plug socket,

6 contacts

6 single conductor sealings