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Quality - made in Germany



Technical data Code

Max. resolution

Binary

Singleturn 10 Bit = 1.024 S/T 13 Bit = 8.192 S/T Multiturn 26 Bit = 1.024 S/T x 29 Bit = 8.192 S/T x

Electrical data

Operating voltage Current consumption

Code change frequency 800 kHz Accuracy

Mechanical data

Speed (mechanical Speed (electrical) Start-up torque Shaft loading

Moment of inertia

Material

Housing Flange Bus cover Weight

Ambient conditions Vibration

Shock

Operating temperature Storage temperature Humidity

Protection type Interference resistance DIN EN 61000-6-2 Emitted interference

Max. 100 mA (w/o load) at 24 VDC 0,025 ° with 400 kHz 0,05° with 800 kHz

UB = 10...30 VDC

 \leq 10.000 min ⁻¹ \leq 6.000 min ⁻¹ < 0.015 Nm < 40 N radial, < 20 N axial 2 x 10⁻⁶ kgm²

Steel Aluminium Aluminium approx. 600 g

DIN EN 60068-2-6 ≤ 200 ms⁻² (16...2000 Hz DIN EN 600068-2-27 \leq 2.000 ms², 6 ms - 20...+ 85° C - 20...+ 85° C Max. relative humidity 9

no-condensing IP 65 DIN EN 61000-6-4

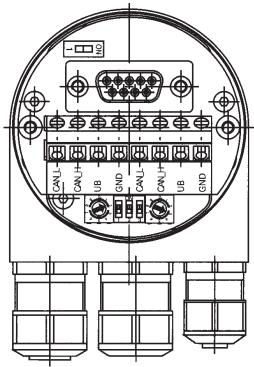
RSF 58 C - CAN

Absolute multi-turn encoder

- shockproof up to 200 g
- Parameterizable operating modes
- Parameterizable preset value
- Parameterizable scaling
- Singleturn resolution up to 18 Bit
- Multiturn resolution up to 31 Bit

	CAN features Bus protocol	CAN
x 65.536 T x 65.536 T d),	Operating modes	Polling Mode (asynch) The encoder sends data on request by another subscriber. Cyclic Mode (asynch-cyclic) The encoder cyclically sends the current process actual value without a request by a master. The cycle time can be parameterized for values between 1 and 65'535 ms.
	Preset value	With the "Preset" parameter the encoder can be set to a desired actual process value that corresponds to the defined axis position of the system. The offset value between the encoder zero point and the mechanical zero point of the system is saved in the encoder.
	Rotating direction	With the operating parameter the rotating direction in which the output code is to increase or decrease can be parameterized.
	Scaling	The steps per revolution and the total revoltion can be parameterized.
z)	Diagnosis	The following is montored during operation:
95 %		 Consistency test of code Exceeding of the permissible signal frequency LED failure, aging Receiver failure Code disk, glass breakage Power supply of electronic gear unit
	Default setting	10 kbit/s, node number 0

View inside bus cover



Contact Description

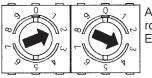
CAN_L	Negative serial data line,			
	Pair 1 and Pair 2			

- CAN_H Positive serial data line, Pair 1 and Pair 2
- UB Supply voltage10...30 VDC
- GND Ground contact for UB

(Terminals with the same designation are internally interconnected)

Option additional incremental tracks A + B, 5pol. plug, 10...30 VDC, 30 mA.

Settings of user address



Address can be set with rotary switch. Example: User address 23

Settings of terminating resistors



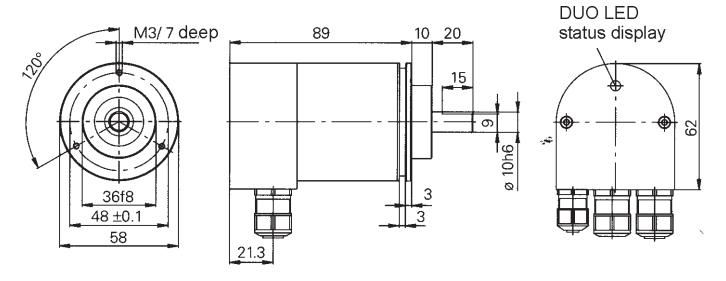
ON = Last user OFF = UserX

Type key of Encoder

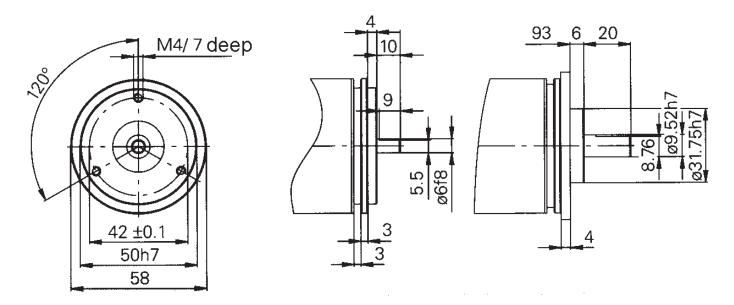
Encoder type	Steps / T - Turns	Voltage	Code	Flange	Output	Option
RSF 58 C	10 = 10 Bit 1.024 S/T x 1T	3 = 10 - 30 VDC	B = Binary	W1 = 10 mm shaft clamping flange	DS = Bus cover sideways movement out	F1 = 2 x 1.024 S/T incremental tracks
RSF 58 C	26 = 26 Bit 1.024 S/T x 65.536 T			V6 = 6 mm shaft servo flange		F2 = 2 x 2.048 S/T incremental tracks
RSF 58 C	13 = 13 Bit 8.192 S/T x 1 T					
RSF 58 C	29 = 29 Bit 8.192 S/T x 65.536 T					
RSF 58 C		3	В		DS	

Dimension and cutout RSF 58 C

10 mm shaft, clamping flange



Optional: 6 mm shaft, servo flange



For your notes: