

- Additional data sheet to complete R 11397 / page 7 -

- Output signals: **A = 0 to 20 mA**    **C = 0 to 10 VDC**  
**B = 4 to 20 mA**    **D = ± 10 VDC**

### Electrical data of all outputs

- Resolution: 12 Bits / 360°
- Measuring ranges: 360°, 90° or 180° (other ranges upon request)  
 CW (CCW at option)
- Code sense: CW (CCW at option)
- Zero shift: At option
- Supply voltages: 20 to 28 VDC (outputs: A,B,C)  
 ± 13 to ± 16 VDC (output D)
- Supply current: 50 mA typ. / 60 mA max.
- Linearity: ≤ 0.5 %
- Repeatability: ≤ 0.2 %
- Temperature drift: < 0.01 % / K (typ.)

### Current outputs A and B:

- Tolerances: 0 mA ± 50 µA
- (beginning / end): 4 mA ± 50 µA
- 20 mA ± 50 µA
- Load resistance: 0 - 1000 Ω ( $V_s = 24 \text{ VDC} - 28 \text{ VDC}$ )

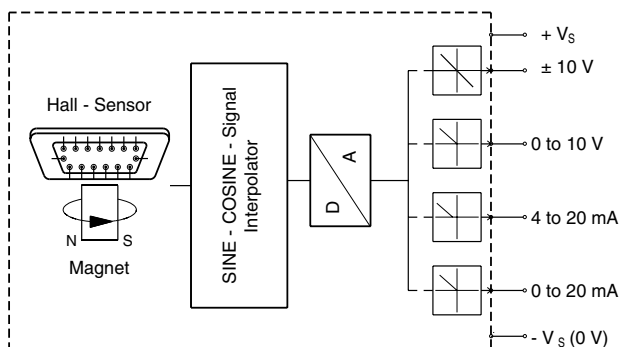
### Voltage output C:

- Tolerances: 0 V ± 100 mV
- (beginning / end): 10 V ± 25 mV
- Output current: max. 5 mA (at load resistance ≤ 2 kΩ)

### Voltage output D:

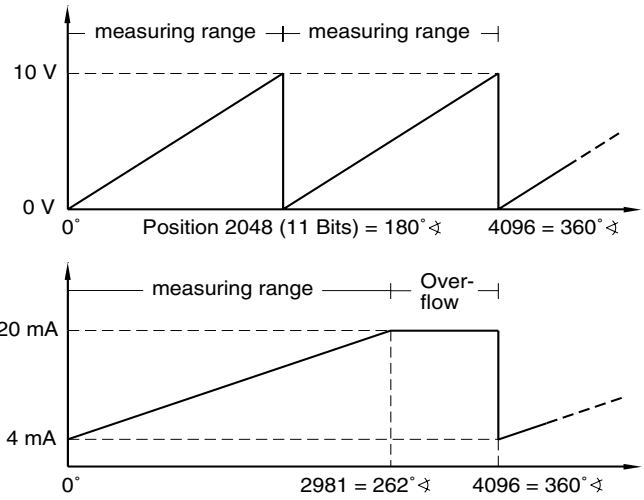
- Tolerances: +10 V ± 50 mV
- (beginning / end): -10 V ± 50 mV
- Output current: max. 5 mA (at load resistance ≤ 2 kΩ)

### Block diagram



Mechanical data, environmental data, dimensions and accessories to data sheet R 11397 (page 2 and 8).

### Examples of output signals



### Order code format

#### Model RAM 36 (with external magnetic actuator)

**RAM36-06-360-12 K1 W A 01**

- Electrical and / or mechanical variants \*
- Output signals:  
 A = 0 - 20 mA, C = 0 - 10 VDC  
 B = 4 - 20 mA, D = ± 10 VDC
- Signal sense  
 W = CW, C = CCW (option)
- Electrical connections  
 K1 = lead (1m) with connector DE 9 P
- 12 Bits / 360°
- 360°, (90°, 180°)
- Ø 6 mm bore  
 (Option: 4, 8 or 10 mm)
- Model: RAM 36

#### Model RAW 36 (with shaft and ball bearings)

**RAW 36A-360-12 K1 W A 01**

- Electrical and / or mechanical variants \*
- Output signals:  
 A = 0 - 20 mA, C = 0 - 10 VDC  
 B = 4 - 20 mA, D = ± 10 VDC
- Signal sense  
 W = CW, C = CCW (option)
- Electrical connections  
 K1 = lead (1m) with connector DE 9 P
- 12 Bits / 360°
- 360°, (90°, 180°)
- Models: RAW 36 A, B oder C

\* The basic versions in accordance with the data sheet bear the code number 01. Variations of the basic version are indicated by a consecutive number and are documented in our works.