

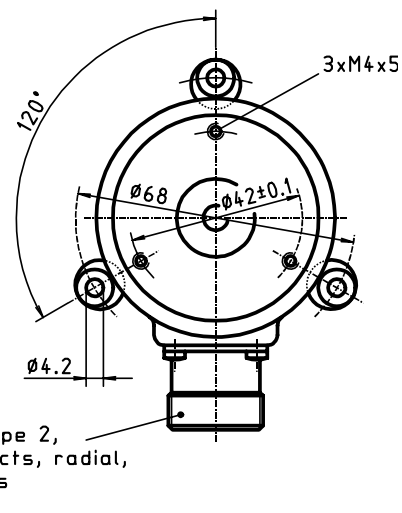
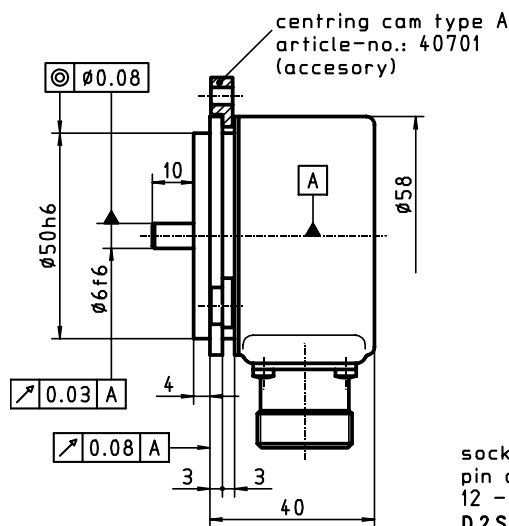
Absolute - Encoder Analog-output

MYA 2A B14 Y 1



Qualities:

- Absolut-Encoder with analogue-output-signal
- $U_{out} = 0 - 10 \text{ VDC}$ to correspond to $0 - 360^\circ$ mech. angle of rotation **AU-version**
- Centering seat $\varnothing 50$, mounting punch circle $\varnothing 68$
- Connector version



MYA 2.. B14 Y 1

drawing-no.: 028 - 7 Y 1

Mechanical data:

Housing
Design style
Protective class
Construction principle
max. speed (mechanical)
Admissible shaft load

Starting torque
Vibration
Shock
Moment of inertia (rotor)
Shaft diameter
Weight

n_{max}
axial
radial
at 20°C
55... 2000 Hz
11 ms

d

B14
IP65

light-alloy metal, black, powder coated

B14

IP 65

according to DIN 40 050, IEC 529

LED with glas slotdisc

$\leq 12000 \text{ rpm}$

$\leq 10 \text{ N}$

$\leq 20 \text{ N}$

(at shaft end)

$\leq 1 \text{ Ncm}$

$\leq 100 \text{ m/s}^2$

according to DIN IEC 68, part 2-6

$\leq 300 \text{ m/s}^2$

according to DIN IEC 68, part 2-27

approx. 15 gcm^2

6 mm

approx. 500 g

Absolute - Encoder MYA 2A B14 Y 1

Analogue-output



Electrical data:

- Output signal
- Execution of electronic
- Internal resolution
- Internal type of code
- Supply voltage U_B
- Load resistance R_{load}
- Permissible cable length
- Type of connection
- Operating temperature range

360G 360° mech. angle of rotation to correspond to 10 VDC **AU-version** resp. 20mA **AI-version**

AU Output stage: **Analogue** (voltage output)
 $U_{out} = 0 - 10 \text{ VDC}$ (not shortening proof)
 1024 (10 Bit)

BI Binär-Code
 15 - 30 VDC (poling error safe)
 20 kΩ
 ≤ 15 m

D2SR12 socket type 2, pin contacts, radial, 12-poles
S 0 °C to + 70 °C

Options:

- Output signal
- Execution of electronic
- Type of connection
- Further options upon request

35G 35° mech. angle of rotation to correspond to 10 VDC **AU-version** resp. 20mA **AI-version**

AI output stage: **Analogue** (current output)
 $I_{out} = 4 - 20 \text{ mA}$

D2SA12 socket type 2, pin contacts, axial, 12-poles

Accessories:

Connector, for version **D2S..12**
 Centring cam-set type A (3 pcs.)

S2BG12 connector type 2, bush contacts, straight, 12-poles
 article-no.: 40701-3

Connection table:

PIN-no.	signals	explanation
PIN 1	= NC	
PIN 2	= NC	
PIN 3	= NC	
PIN 4	= 0 V _{out}	< > Output voltage resp. -current vising at clockwise rotation
PIN 5	= + U _{out} resp. + I _{out}	< > when looking at the end of the shaft.
PIN 6	= NC	
PIN 7	= NC	
PIN 8	= NC	
PIN 9	= shilding/housing	
PIN 10	= 0 V	
PIN 11	= NC	
PIN 12	= + U _B	

Ordering example:

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MYA	B14	Y 1	360G	AU	BI	D2SR12	S	6	IP65
Absolut-Encoder	Design style B14	Mechanical variante Y 1 = look at the drawing	Steps / rev. / no. of turns 360° to correspond to 10 VDC AU resp. 20 mA AI	Execution of electronic Analogue (voltage output)	Output code Binär-Code	Type of connection socket type 2, pin contacts, radial, 12-poles	Operating temperature 0 °C to +70 °C	Shaft diameter 6 mm	Protective class IP 65