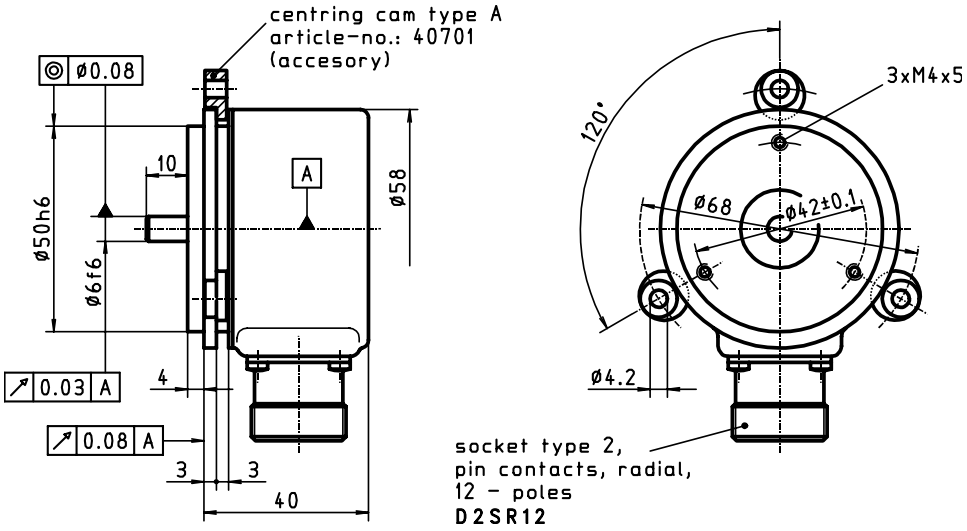
Absolute - Encoder *Analog-output*

MYA 2A B14 Y 1

Qualities:

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



MYA 2.. B14 Y 1 **drawing-no.: 028 - 7 Y 1**

Mechanical data:

Housing			light-alloy metal, black, powder coated	
Design style		***B14***	B14	
Protective class		***IP65***	IP 65	*according to DIN 40 050, IEC 529*
Construction principle			LED with glas slotdisc	
max. speed (mechanical)	n_{max}		≤ 12000 rpm	
Admissible shaft load	axial		≤ 10 N	
	radial		≤ 20 N	(at shaft end)
Starting torque	at 20 ° C		≤ 1 Ncm	
Vibration	55... 2000 Hz		≤ 100 m/s²	*according to DIN IEC 68, part 2-6*
Shock	11 ms		≤ 300 m/s²	*according to DIN IEC 68, part 2-27*
Moment of inertia (rotor)			approx. 15 gcm²	
Shaft diameter	d		6 mm	
Weight			approx. 500 g	

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Electrical data:

• Output signal	***360G***	360° mech. angle of rotation to correspond to 10 VDC ***AU**-version* resp. 20mA ***AI**-version*
• Execution of electronic	***AU***	Output stage: ***Analogue*** (voltage output) U_{out} = 0 - 10 VDC (not shortening proof)
• Internal resolution		1024 (10 Bit)
• Internal type of code	***BI***	Binär-Code
Supply voltage U_B		15 - 30 VDC (poling error safe)
Load resistance R_{load}		20 kΩ
Permissible cable length		≤ 15 m
• Type of connection	***D2SR12***	socket type 2, pin contacts, radial, 12-poles
• Operating temperature range	***S***	0 °C to + 70 °C

Options:

• Output signal	***35G***	35° mech. angle of rotation to correspond to 10 VDC ***AU**-version* resp. 20mA ***AI**-version*
• Execution of electronic	***AI***	output stage: ***Analogue*** (current output) I_{out} = 4 - 20 mA
• Type of connection	***D2SA12***	scoket type 2, pin contacts, axial, 12-poles
• Further options upon request		

Accessories:

Connector, for version ***D2S..12***	***S2BG12***	connector type 2, bush contacts, straight, 12-poles
Centring cam-set type A (3 pcs.)		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:

Meyer Industrie-Electronic GmbH – MEYLE
Carl-Bosch-Straße 8 Tel.: (+49) 05481-9385-0 Internet: www.meyle.de
49525 Lengerich/Germany Fax: (+49) 05481-9385-12 E-Mail: sales@meyle.de

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*