

INCREMENTAL ENCODER MyInc

AINH90
AINH90S

- Heavy duty hollow shaft encoder.
- Adaptation of the diameter by reduction hubs in aluminium or in composite RDP (thermal and electrical insulation).
- Possibility of double or triple mounting with incremental, absolute or tachoencoders.



SPECIFICATIONS

	AINH90	AINH90S
• COVER	Zinc alloy	Stainless steel
• BODY	Aluminium	Stainless steel
• SHAFT	Stainless steel	Stainless steel
• TORQUE	2.5 Ncm	2.5 Ncm
• INERTIA	500 gcm ²	500 gcm ²
• AXIAL SHAFT LOADING	50 N	50 N
• RADIAL SHAFT LOADING	80 N	80 N
• MAX. SPEED	4 500 min ⁻¹	4 500 min ⁻¹
• PROTECTION	IP 65	IP 65
• TEMPERATURE	-20 °C ... +85 °C	-20 °C ... +85 °C
• WEIGHT	850 g	1 800 g

AINH90



Terminal assignment

Signal:	OV	+U _B	A	Ā	B	Ē	0	0̄	Shield
12 pin plug cw (6R) Pin:	1	2	3	6	4	7	5	8	connector body
12 pin plug cw (8R) Pin:	10 + 11	2 + 12	8	1	5	6	3	4	connector body
Cable colour:	WH	BN	GN	PK	YE	BU	GY	RD	general shielding



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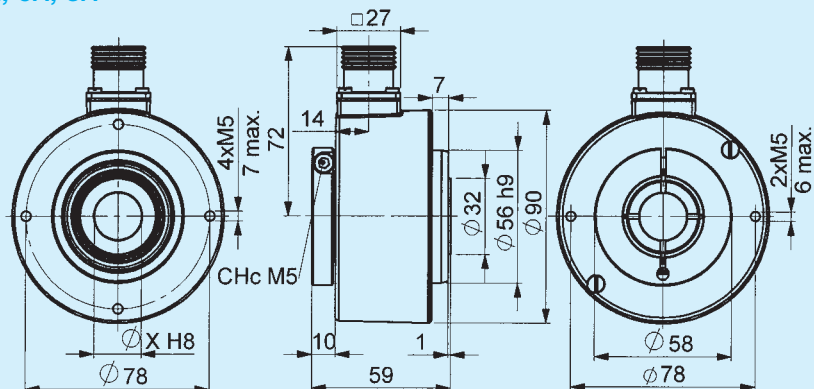
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DIMENSIONS

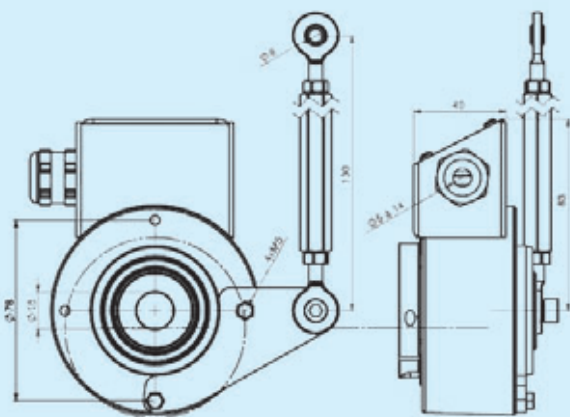
AINH90 AINH90S

AINH90

5R, 6R, 8R

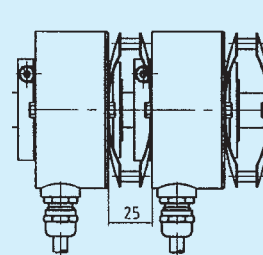


AINH90 ... BR + DAC9320

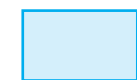


On request: Double mounting

2 x AINH90 ... 3R + DAC9445/004



ORDERING CODE



AINH90
AINH90S

with
hub

without
hub



Shaft Ø

12 = 12 mm
20 = 20 mm
25 = 25 mm

30 = 30 mm
32 = 32 mm



Output circuit

2 = 5 V RS422
3 = 15-30 V Driver 12 V
5 = 11-30 V Driver
8 = 11-30 V RS422
T = 11-30 V Transistor
H = 11-30 V, 150 mA



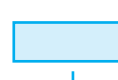
Output signals

9= $\bar{A}$, A, $\bar{B}$, B, 0, 0
7= $\bar{A}$, A, $\bar{B}$, B
5= $\bar{A}$, A
A= Index gated on A
N= Index ungated



Connection

3R = shielded cable, radial output
8R = 12 pin connector, radial output, ccw
6R = 12 pin connector, radial output, cw
5R = 12 pin connector, radial output, cw
BR = terminal box, radial



Resolution

10000 max.



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