

INCREMENTAL ENCODER MyInc

AINS90 AINS90S

- Heavy duty standard encoder
- Ø 90 mm synchro flange or Ø 115 mm tachoflange
- Applications: steel and paper mills, food industry, windmills



SPECIFICATIONS

	AINS90	AINS90S		
• COVER	Zinc alloy	Zinc alloy	• MAX. SPEED	6 000 min ⁻¹
• BODY	Aluminium	Stainless steel	• RADIAL SHAFT LOADING	200 N
• WEIGHT	1.3 kg	3 kg	• AXIAL SHAFT LOADING	100 N
• SHAFT	Stainless steel		• INERTIA	150 gcm ²
• TORQUE	1 Ncm		• PROTECTION	IP 66
• TEMPERATURE	-20 °C ... +85 °C			



AINS9011



AINS9012

Terminal assignment

Signal:	OV	+U _B	A	Ā	B	B̄	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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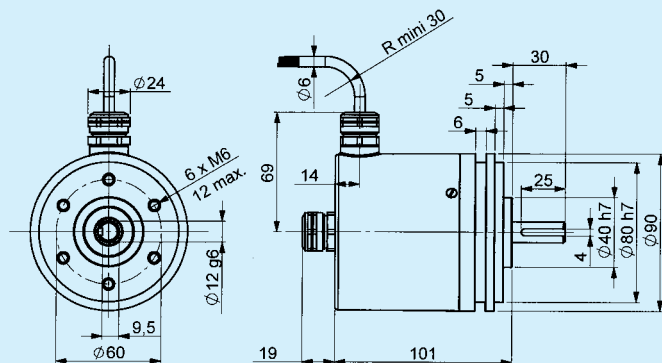
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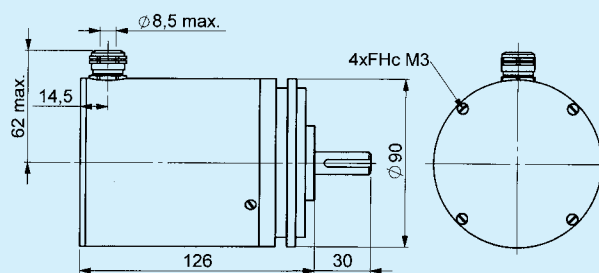
DIMENSIONS

AINS90 AINS90S

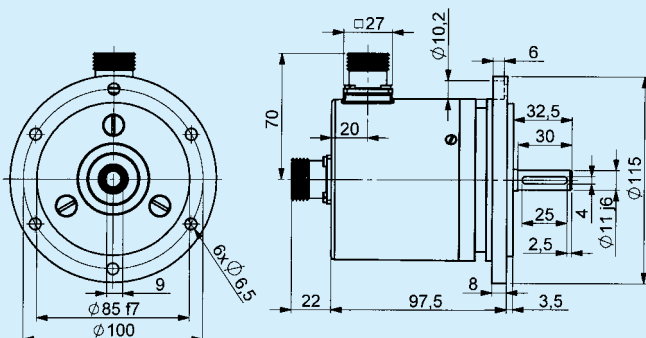
AINS912
3A, 3R



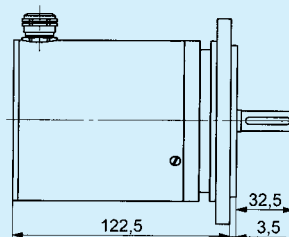
AINS912
with terminal box (BR)



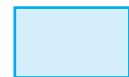
AINS911
5A, 5R, 6A, 6R, 8A, 8R



AINS911
with terminal box (BR)



ORDERING CODE



AINS90
AINS90S



Shaft $\varnothing$

11 = 11 mm
12 = 12 mm
C1 = 11 mm
Shaft length : 22,5 mm
C2 = 12 mm
Shaft length : 25 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



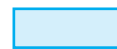
Output signals

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



Connection

3A = shielded cable, axial output
3R = shielded cable, radial output
5A = 12 pin connector, axial output, cw
5R = 12 pin connector, radial output, cw
6A = 12 pin connector, axial output, cw
6R = 12 pin connector, radial output, cw
8A = 12 pin connector, axial output, ccw
8R = 12 pin connector, radial output, ccw



Resolution

10000 max.



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