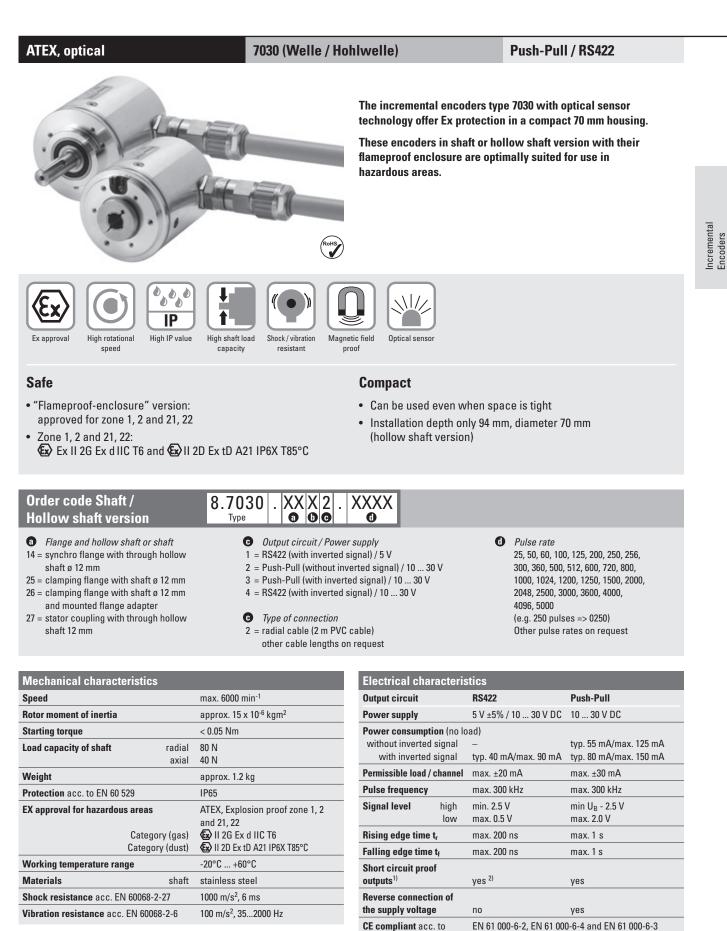
Incremental Encoders





RoHS compliant acc. to

EU guideline 2002/95/EG

1) If supply voltage correctly applied.

If $U_B = 5$ V, short-circuit to channel, 0 V, or +U_B is permitted.

2) Only one channel allowed to be shorted-out:

If $U_B = 5 - 30$ V, short-circuit to channel or 0 V is permitted.



Incremental Encoders

ATEX, optical	7030 (Shaft)							Push-Pull / RS422			
Terminal assignment											
Signal	0 V	0 V	+Ub	+U _B	А	Ā	В	B	0	ō	shield
		Sensor ²⁾		Sensor 2)							
Cable colour	WH	GY	BN	BU	GN	YE	GY	PK	BU	RD	PH 1)
		PK		RD							

1) PH = Shield is attached to connector housing

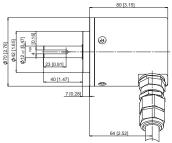
 The sensor cables are connected to the supply voltage internally. If long feeder cables are involved they can be used to adjust or control the voltage at the encoder. If the circuits are not being used, then they should be individually isolated and not connected.

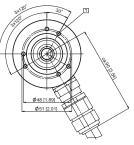
Using RS 422 outputs and long cable distances, a wave impedance has to be applied at each cable end.

Isolate unused outputs before initial start-up.

Dimensions shaft version

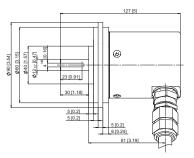
Clamping flange with shaft ø 12 mm

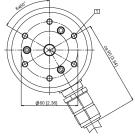




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-2 -11 **Clamping flange with shaft ø 12 mm** and mounted flange adapter

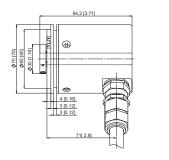




1 6 x M6, 12 [0.47] deep

Dimensions hollow shaft version

Synchro flange



1 3 x M4, 6 [0.24] deep

2 3 x M3, 5 [0.20] deep

3 Torque stop slot,

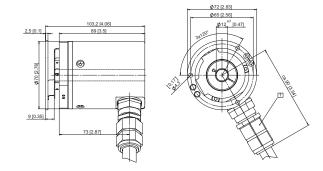
Recommendation: Cylindrical pin DIN7, ø 4 mm

0.47^{H7}

Ø42 [1.65

Stator coupling

1 6 x M6, 12 [0.47] deep



1 Angular position of the cable outlet is not defined
