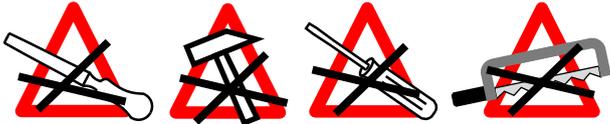




User Manual

IMC Series Encoders



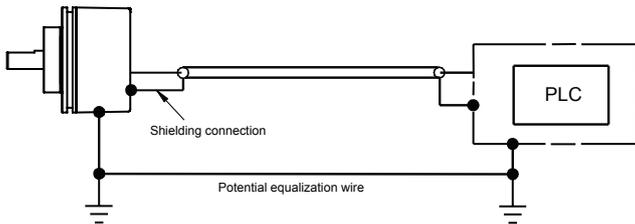
It is essential to read this user manual diligently prior to the commissioning. Mounting and commissioning is to be conducted by a specialist in electrical equipment and precision mechanics under compliance with local safety regulations. Observe also the operating instructions of the machine manufacturer and all safety precautions requested by the respective national authorities. Never plug or unplug the electrical connector while the device is live. The drive must not be put into operation during installation. Do not open and modify the encoder mechanically or electrically.



Technical Data

Voltage Supply:
TTL/RS422: 5Vdc \pm 5%
HTL/Push pull: 8..30Vdc

Shielding:



Terminal Assignment

	Signal	Color
VCC	Vcc	RD (Red)
OV	OV	BK (Black)
A	A+	GRN (Green)
A/	A-	BRW (Brown) BU (Blue)
B	B+	WHT (White)
B/	B-	GRY (Gray) PK (Pink)
Z	Z+	YEL (Yellow) BU (Blue)
Z/	Z-	ORG(Orange) PK(Pink) PL(Purple)

Codes Introduction in brief

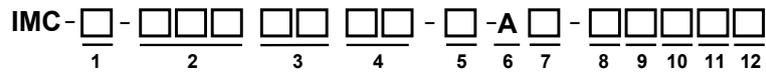
Incremental



- | | |
|--------------------------|----------------------|
| 1. Sensing Method | 6. Resolution(ppr) |
| 2. Installation Type | 7. Output Format |
| 3. Housing Diameter (mm) | 8. Supply Voltage |
| 4. Shaft/Hollow Size | 9. Connection |
| 5. Incremental Type | 10. Protection Class |

* For more detailed info about ordering codes see the detailed documents

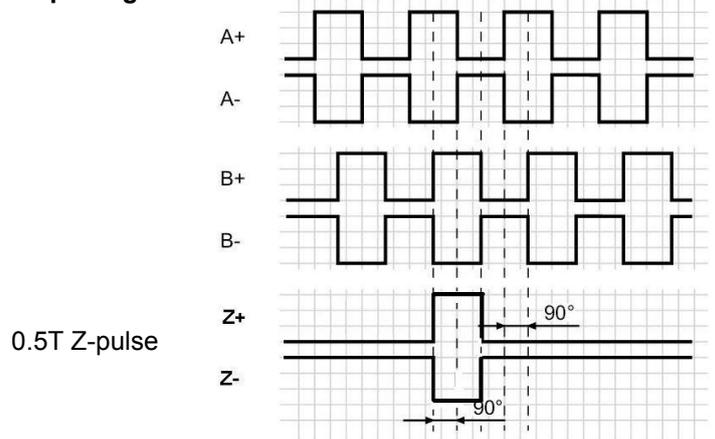
Absolute



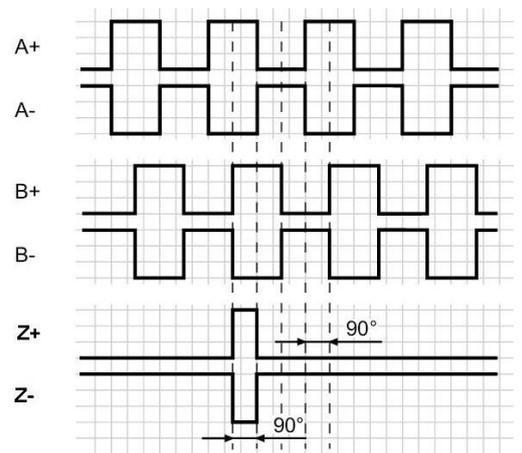
- | | |
|-------------------------------|----------------------|
| 1. Sensing Method | 7. Resolution |
| 2. Installation Type | 8. Output Format |
| 3. Housing Diameter (mm) | 9. Supply Voltage |
| 4. Shaft/Hollow Size Diameter | 10. Connection |
| 5. Output Protocol | 11. Output Code |
| 6. Absolute Type | 12. Protection Class |

* For more detailed info about ordering codes see the detailed documents

Output Signals

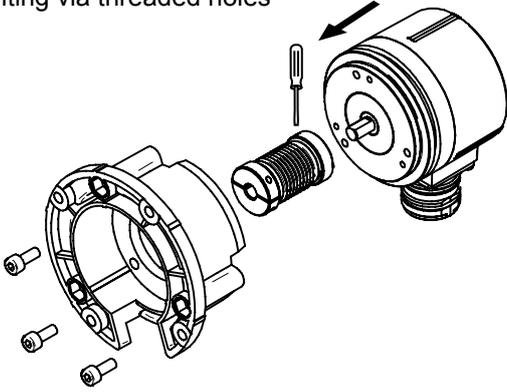


0.25T Z-pulse

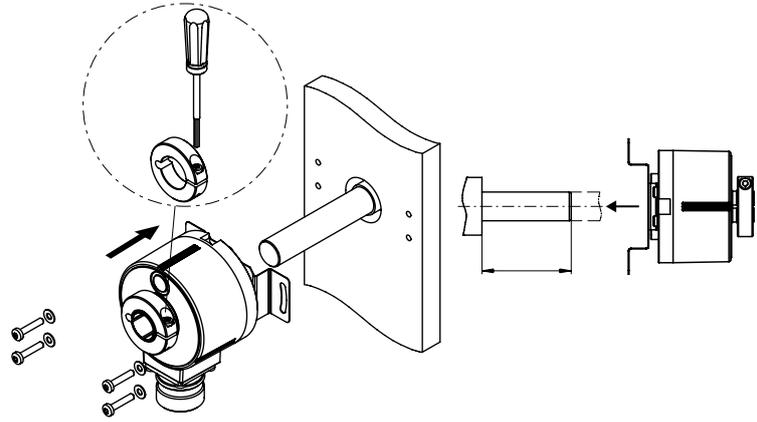


Installation

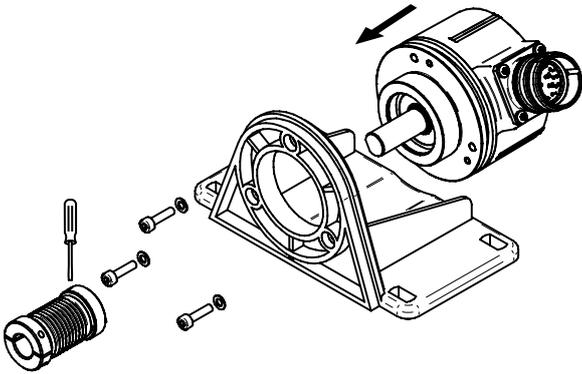
Mounting via threaded holes



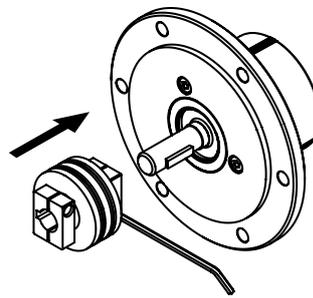
Mounting with stator coupling



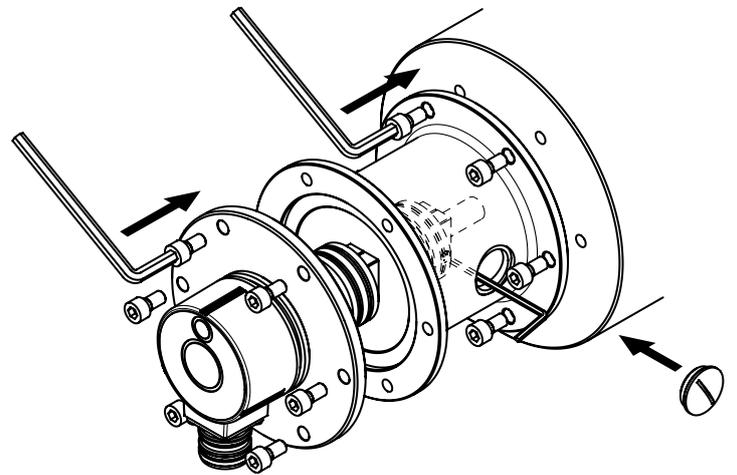
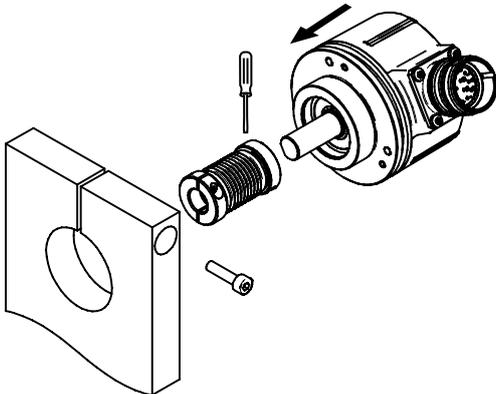
Mounting with mounting dome or mounting clamps



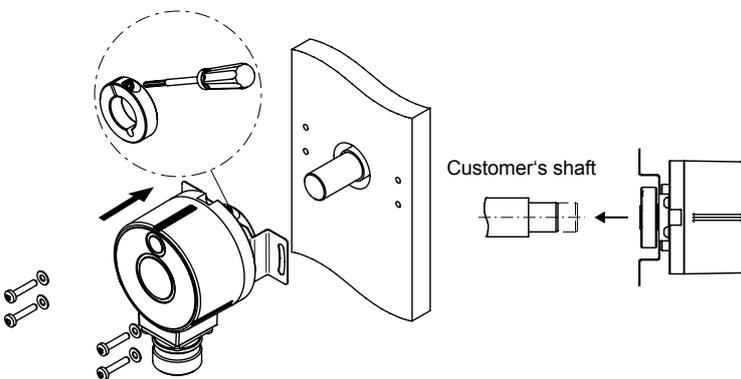
Mounting by EURO flange



Mounting by clamping collar



Mounting with stator coupling



Parallel

TTL HTL



4..20mA
0..10V



EtherCAT

CAN open

