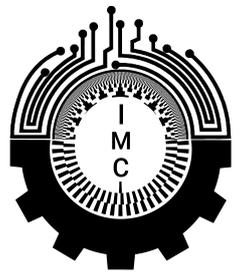


IMC-O-TEF58S11-I1024-H4-R5

Solid shaft with EURO flange B10 1024 pulses per revolution



Technical data

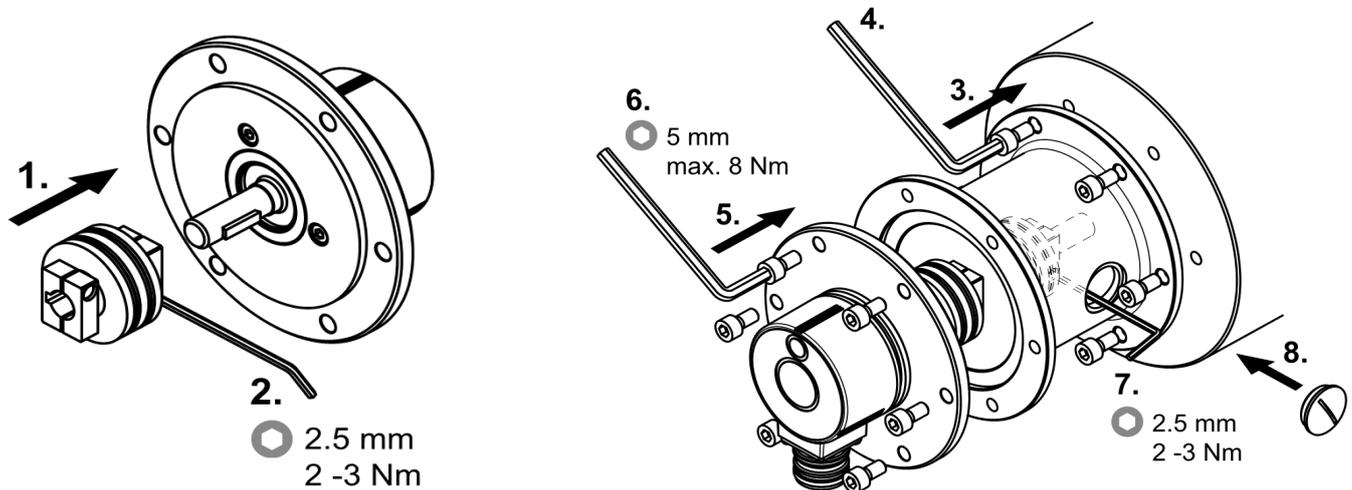
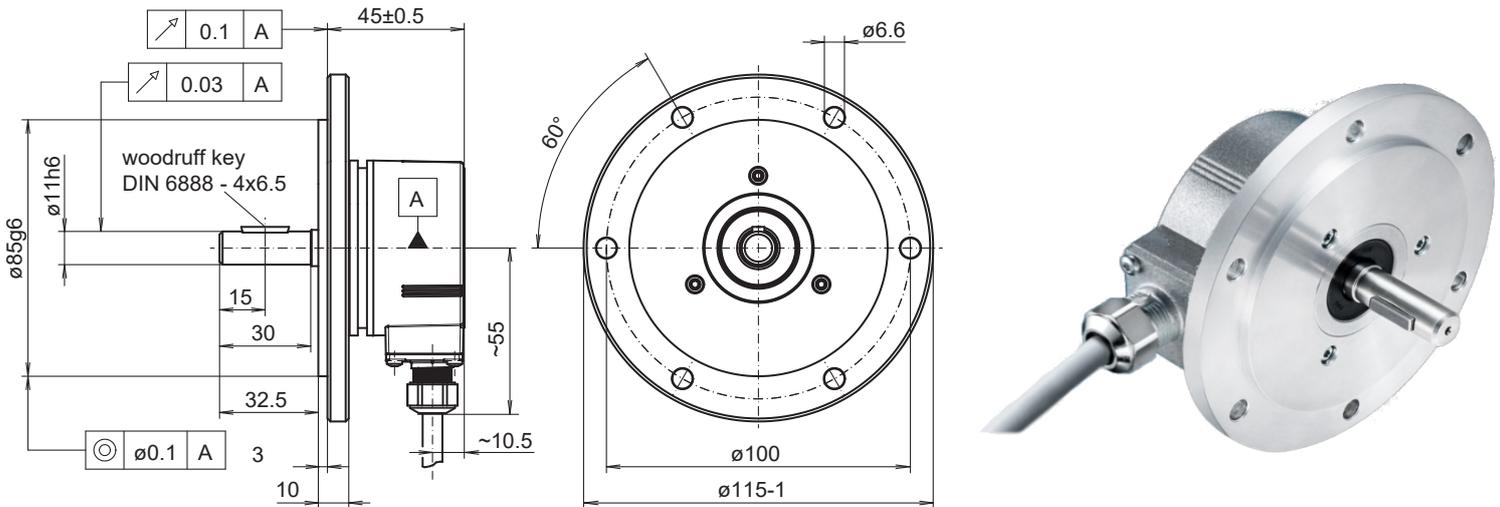
Technical data - electrical ratings

Voltage supply	4.75...30 VDC
Consumption w/o load	≤70 mA
Pulses per revolution	1024
Phase shift	90° ±10°
Duty cycle	40...60 %
Reference signal	Zero pulse, width 90° ±10 %
Sensing method	Optical
Output frequency	≤160 kHz (HTL)
Output signals	A+, B+, R+, A-, B-, R-
Output stages	HTL/push-pull

Technical data - mechanical design

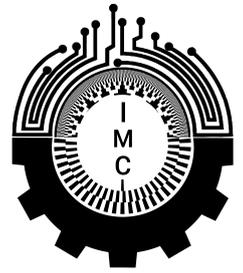
Size (flange)	ø115 mm
Shaft type	ø11 x 30 mm solid shaft with woodruff key
Admitted shaft load	≤40 N axial ≤80 N radial
Protection EN 60529	IP 65
Operating speed	≤6000 rpm (+20 °C, IP 67) ≤12000 rpm (+20 °C, IP 65)
Starting torque	≤0.015 Nm (+20 °C, IP 65) ≤0.02 Nm (+20 °C, IP 67)
Material	Housing: aluminium die-cast Flange: aluminium Solid shaft: stainless steel
Operating temperature	-40...+85 °C
Relative humidity	90 % non-condensing
Connection	Cable
Weight approx.	485 g

Dimensions and installation drawing



IMC-O-TEF58S11-I1024-H4-R5

Solid shaft with EURO flange B10 1024 pulses per revolution



Terminal assignment

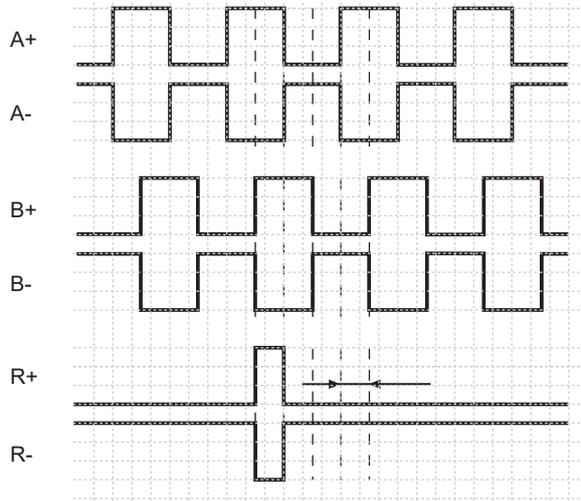
Color Output cable

Core color Assignment

Brown (BRW)	B-
Yellow (YEL)	R+/Z+
Black (BK)	R-/Z-
Blue (BU)	A+
Gray (GRY)	A-
Green (GRN)	B+
White (WHT)	GND
Red (RD)	Vcc/UB
Screen:	Connected to housing

Output signals

Clockwise rotating direction when looking at flange.



Codes Introduction detailed

Incremental

