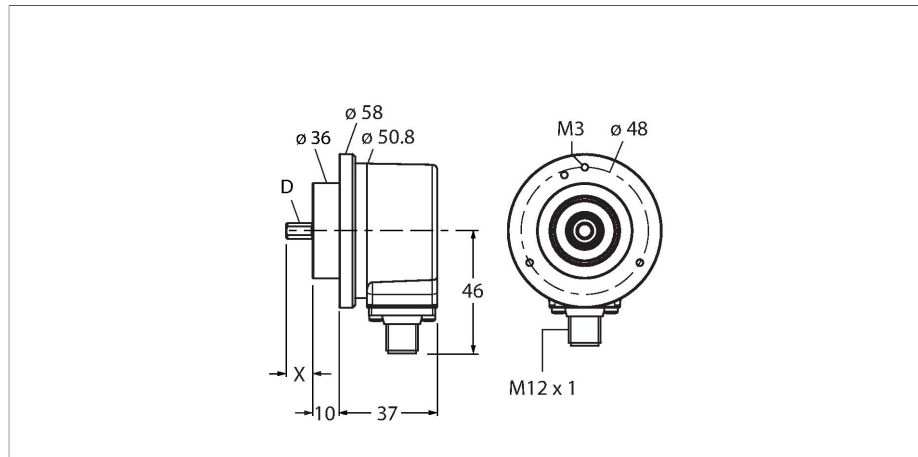


RI-10TA1C-2K5000-H1181

Incremental Encoder

Industrial Line



Features

- Clamping flange, Ø 58 mm
-
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP65 on shaft side
- -40...+85 °C
- Max. 12000 rpm (continuous operation 6000)
- 5...30 VDC
- M12 × 1 male, 8-pin
- Push-pull, with inversion
- Pulse frequency max. 300 kHz
- 5000 pulses per revolution

Technical data

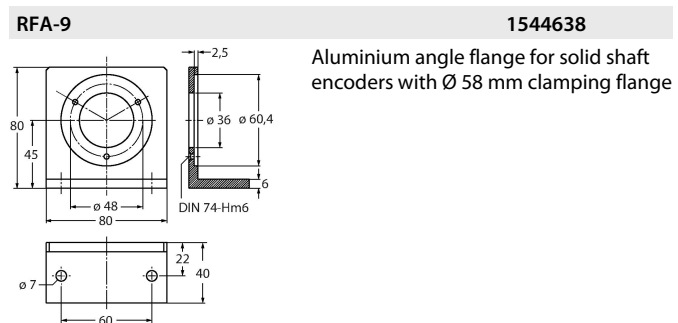
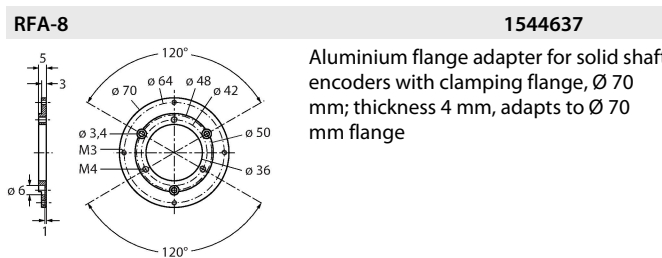
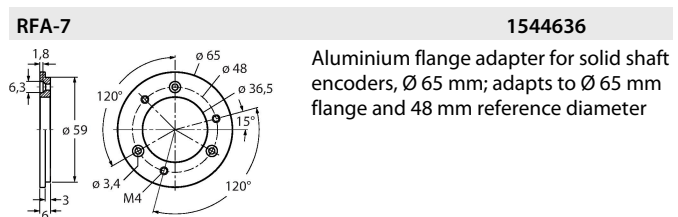
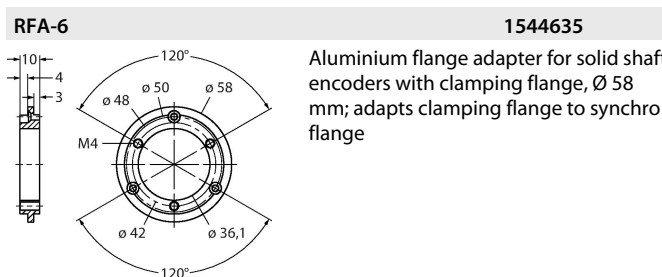
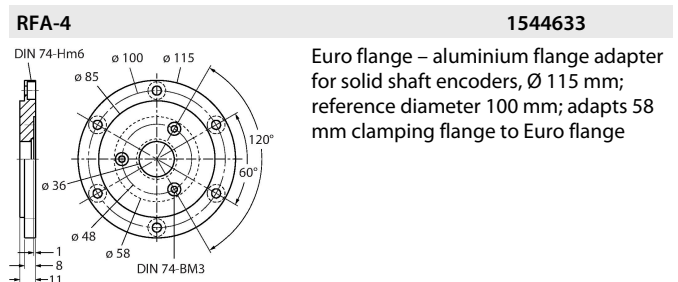
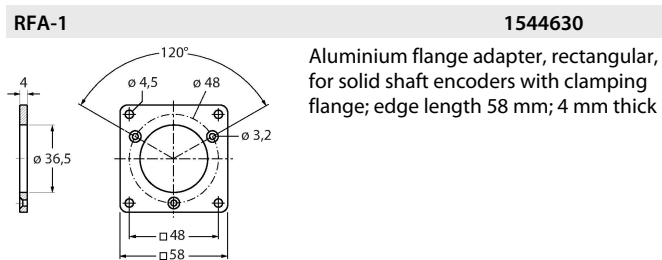
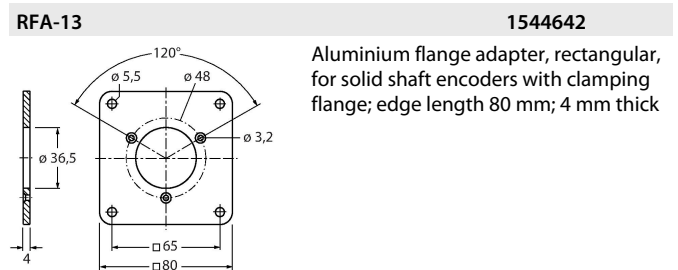
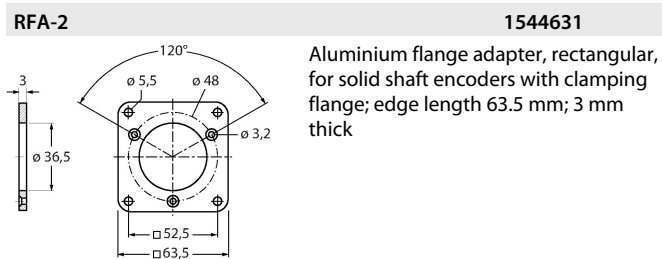
Type	RI-10TA1C-2K5000-H1181
Ident. no.	1545663
Measuring principle	Photoelectric
Max. Rotational Speed	12000 rpm
Moment of inertia of the rotor	1.8 x10 ⁻⁶ kgm ²
Starting torque	< 0.05 Nm
Ambient temperature	-40...+85 °C
Operating voltage	5...30 VDC
No-load current	≤ 100 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	no
Output function	8-wire, Push-Pull 7272, invertable
Output type	incremental
Resolution, incremental	5000 ppr
Pulse frequency max.	300 kHz
Signal level high	min. U _B - 2 V
Signal level low	max. 0.5 V
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connectors, M12 × 1
	8-pin

Technical data

Axial shaft load	50 N
Radial shaft load	100 N
Vibration resistance (EN 60068-2-6)	300 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	3000 m/s ² 6 ms
Protection class housing	IP65
Protection class shaft	IP65

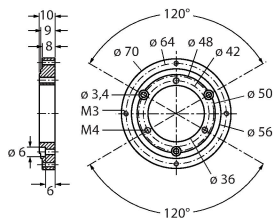
Signal	Gnd	+U _a	A	A inv.	B	B inv.	0	0 inv.	Shield
Pin Assignment	1	2	3	4	5	6	7	8	PH

Accessories



RFA-11

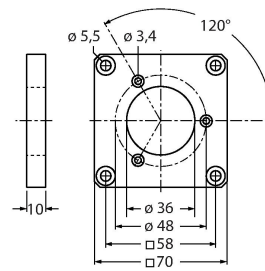
1544640



Aluminium flange adapter for solid shaft encoders with clamping flange, Ø 70 mm; thickness 10 mm, adapts to Ø 70 mm flange

RFA-12

1544641



Aluminium flange adapter, rectangular, for solid shaft encoders with clamping flange; edge length 70 mm; 10 mm thick