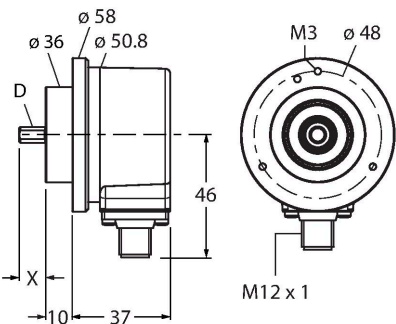


REI-10S6C-2B1024-H1181
Incremental Encoder
Industrial Line



Technical data

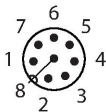
Type	REI-10S6C-2B1024-H1181
ID	100010216
Measuring principle	Optical
General data	
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	$1.8 \times 10^{-5} \text{ kgm}^2$
Starting torque	$< 0.05 \text{ Nm}$
Output type	Incremental
Resolution, incremental	1024 ppr
Electrical data	
Operating voltage	10...30 VDC
No-load current	100 mA
Output current	$\leq 30 \text{ mA}$
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. $U_B - 1 \text{ V}$
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, invertable
Mechanical data	
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	$\varnothing 58 \text{ mm}$
Shaft Type	Solid shaft
Shaft diameter D [mm]	6

Features

- Clamping flange, $\varnothing 58 \text{ mm}$
- Solid shaft, $\varnothing 6 \text{ mm} \times 10 \text{ mm}$
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP67 on housing and shaft side
- $-40 \dots +85 \text{ }^\circ\text{C}$
- Max. 6000 rpm (continuous operation 3000 rpm)
- 10...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 300 kHz
- M12 $\times$ 1 male connector, 8-pin
- 1024 pulses per revolution

Wiring diagram

1	GND
2	U_B +
3	A
4	A inv.
5	B
6	B inv.
7	0 -
8	0 inv. -
PH	shield



Technical data

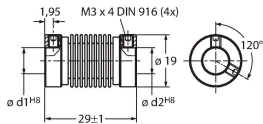
Shaft Length L [mm]	10
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	8-pin
Axial shaft load	50 N
Radial shaft load	100 N
Environmental conditions	
Ambient temperature	-40...+85 °C
Vibration resistance (EN 60068-2-6)	300 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	3000 m/s ² , 6 ms
Protection class	IP67
Protection class shaft	IP67

Accessories

RCS-19-10-06

1545358

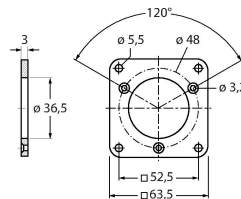
Bellows coupling, outer diameter:
19 mm, bore diameter: 10 mm/6 mm



RFA-2

1544631

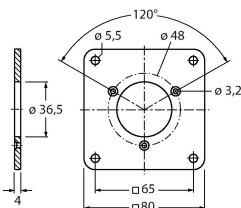
Aluminium flange adapter,
rectangular, for solid shaft encoders
with clamping flange; edge length
63.5 mm; 3 mm thick



RFA-13

1544642

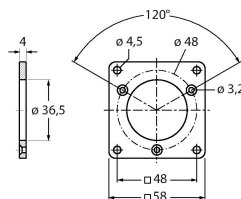
Aluminium flange adapter,
rectangular, for solid shaft encoders
with clamping flange; edge length 80
mm; 4 mm thick



RFA-1

1544630

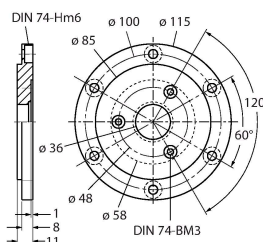
Aluminium flange adapter,
rectangular, for solid shaft encoders
with clamping flange; edge length 58
mm; 4 mm thick



RFA-4

1544633

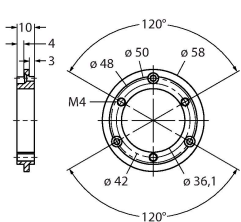
Euro flange – aluminium flange
adapter for solid shaft encoders, Ø
115 mm; reference diameter 100 mm;
adapts 58 mm clamping flange to
Euro flange



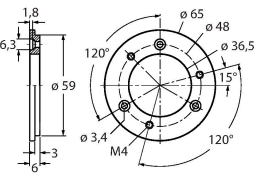
RFA-6

1544635

Aluminium flange adapter for solid
shaft encoders with clamping flange,
Ø 58 mm; adapts clamping flange to
synchro flange

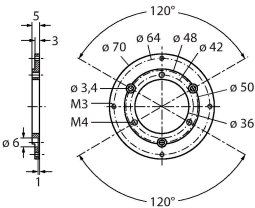


RFA-7 1544636



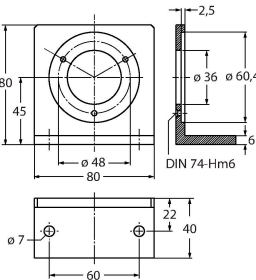
Aluminium flange adapter for solid shaft encoders, Ø 65 mm; adapts to Ø 65 mm flange and 48 mm reference diameter

RFA-8 1544637



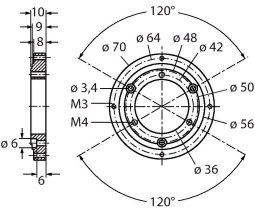
Aluminium flange adapter for solid shaft encoders with clamping flange, Ø 70 mm; thickness 4 mm, adapts to Ø 70 mm flange

RFA-9 1544638



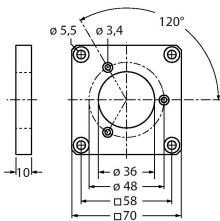
Aluminium angle flange for solid shaft encoders with Ø 58 mm clamping flange

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

Accessories

Dimension drawing	Type	ID	
	RKC8T-2/TXL	6625142	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval
	WKC8T-2/TXL	6625145	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval