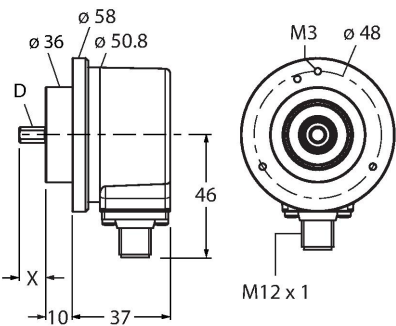


REI-E-113T8C-4B5000-H1181  
Incremental Encoder  
Efficiency Line

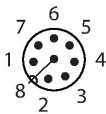
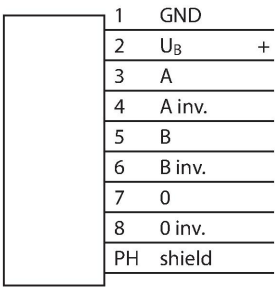


Technical data

|                                        |                                    |
|----------------------------------------|------------------------------------|
| Type                                   | REI-E-113T8C-4B5000-H1181          |
| ID                                     | 100011617                          |
| Measuring principle                    | Optical                            |
| General data                           |                                    |
| Max. rotational speed                  | 4500 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                 | 5000 ppr                           |
| Electrical data                        |                                    |
| Operating voltage $U_B$                | 5...30 VDC                         |
| No-load current                        | $\leq 90 \text{ mA}$               |
| Output current                         | $\leq 20 \text{ mA}$               |
| Short-circuit protection               | yes                                |
| Wire break/reverse polarity protection | yes                                |
| Pulse frequency max.                   | 300 kHz                            |
| Signal level high                      | min. 2.5 V                         |
| Signal level low                       | max. 0.5 V                         |
| Output function                        | RS422/TTL, invertable              |
| Mechanical data                        |                                    |
| Flange type                            | Clamping flange                    |
| Flange diameter                        | $\varnothing 58 \text{ mm}$        |
| Shaft Type                             | Solid shaft                        |
| Shaft diameter D (mm)                  | 8                                  |
| Shaft Length L [mm]                    | 15                                 |
| Shaft material                         | Stainless steel                    |

Features

- Clamping flange,  $\varnothing 58 \text{ mm}$
- Solid shaft,  $\varnothing 8 \text{ mm} \times 15 \text{ mm}$
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- $-20 \dots +70 \text{ }^\circ\text{C}$
- Max. 4500 rpm (continuous operation 3000 rpm)
- 5...30 VDC
- RS422/TTL invertible
- Pulse frequency max. 300 kHz
- M12  $\times$  1 male connector, 8-pin
- 5000 pulses per revolution



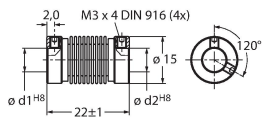
Technical data

|                                     |                        |
|-------------------------------------|------------------------|
| Housing material                    | Die-cast zinc          |
| Electrical connection               | Connector, M12 × 1     |
|                                     | 8-pin                  |
| Axial shaft load                    | 40 N                   |
| Radial shaft load                   | 80 N                   |
| Environmental conditions            |                        |
| Ambient temperature                 | -20...+70 °C           |
| Vibration resistance (EN 60068-2-6) | 100 m/s², 10...2000 Hz |
| Shock resistance (EN 60068-2-27)    | 1000 m/s², 6 ms        |
| Protection class                    | IP64                   |
| Protection class shaft              | IP64                   |

Accessories

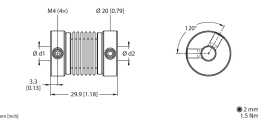
RCS-15-08-061545361

Bellows coupling, outer diameter:  
15 mm, bore diameter: 8 mm/6 mm



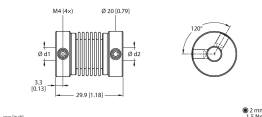
RA-BC-20-06-08100048778

Bellows coupling with aluminum hub  
Ø 20 mm; d1 = 6 mm, d2 = 8 mm



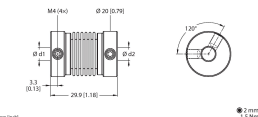
RA-BC-20-08-08100048780

Bellows coupling with aluminum hub  
Ø 20 mm; d1 = 8 mm, d2 = 8 mm



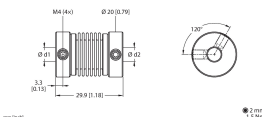
RA-BC-20-08-10100048781

Bellows coupling with aluminum hub  
Ø 20 mm; d1 = 8 mm, d2 = 10 mm



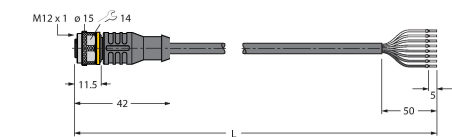
RA-BC-20-08-12100049106

Bellows coupling with aluminum hub  
Ø 20 mm; d1 = 8 mm, d2 = 12 mm

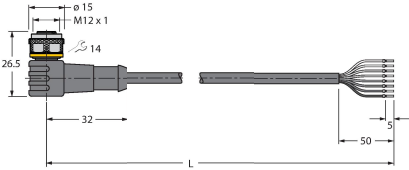


Accessories

| 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

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