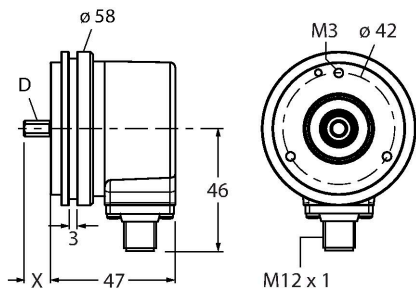
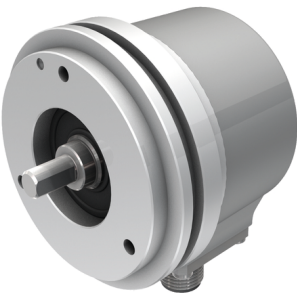


REI-10S6S-4B360-H1181  
Inkrementaler Drehgeber  
Industrial-Line



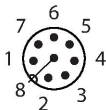
Technische Daten

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Typ                                   | REI-10S6S-4B360-H1181              |
| Ident-No.                             | 100010330                          |
| Messprinzip                           | Optisch                            |
| Allgemeine Daten                      |                                    |
| max. Drehzahl                         | 6000 U/min                         |
| Trägheitsmoment des Rotors            | $1.8 \times 10^{-6} \text{ kgm}^2$ |
| Anlaufdrehmoment                      | $< 0.05 \text{ Nm}$                |
| Ausgangsart                           | Inkremental                        |
| Auflösung Inkremental                 | 360 ppr                            |
| Elektrische Daten                     |                                    |
| Betriebsspannung $U_B$                | 5...30 VDC                         |
| Leerlaufstrom                         | $\leq 90 \text{ mA}$               |
| Ausgangsstrom                         | $\leq 20 \text{ mA}$               |
| Kurzschlusschutz                      | ja                                 |
| Drahtbruchsicherheit/Verpolungsschutz | ja                                 |
| Maximale Impulsfrequenz               | 300 kHz                            |
| Signalpegel high                      | min. 2.5 V                         |
| Signalpegel low                       | max. 0.5 V                         |
| Ausgangsfunktion                      | RS422 / TTL, mit Invertierung      |
| Mechanische Daten                     |                                    |
| Flanschart                            | Synchroflansch                     |
| Flanschdurchmesser                    | Ø 58 mm                            |
| Wellenart                             | Vollwelle                          |
| Wellendurchmesser D (mm)              | 6                                  |
| Wellenlänge L [mm]                    | 10                                 |
| Wellenmaterial                        | nicht rostender Stahl              |

Merkmale

- Synchroflansch, Ø 58mm
- Vollwelle, Ø 6mm x 10mm
- Optisches Messprinzip
- Wellenmaterial: rostfreier Stahl
- Schutzart IP67 gehäuse- und wellenseitig
- -40...+85 °C
- max. 6000 U/min (Dauerbetrieb: 3000 U/min)
- 5...30 VDC
- RS422/TTL mit Invertierung
- Impulsfrequenz max. 300 kHz
- Steckverbinder, M12 x 1, 8-polig
- 360 Impulse pro Umdrehung

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



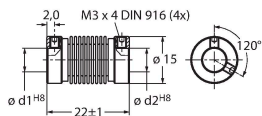
Technische Daten

|                                      |                         |
|--------------------------------------|-------------------------|
| Gehäusewerkstoff                     | Zink-Druckguss          |
| Elektrischer Anschluss               | Steckverbinder, M12 x 1 |
|                                      | 8-polig                 |
| Axiale Wellenbelastbarkeit           | 40 N                    |
| Radiale Wellenbelastbarkeit          | 80 N                    |
| Umgebungsbedingungen                 |                         |
| Umgebungstemperatur                  | -40...+85 °C            |
| Schwingungsfestigkeit (EN 60068-2-6) | 300 m/s², 10...2000 Hz  |
| Schockfestigkeit (EN 60068-2-27)     | 3000 m/s², 6 ms         |
| Schutzart                            | IP67                    |
| Schutzart Welle                      | IP67                    |

Montagezubehör

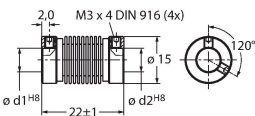
RCS-15-08-06 1545361

Balgkupplung, Außendurchmesser:  
15 mm, Bohrungsdurchmesser: 8  
mm/6 mm



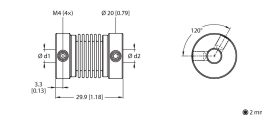
RCS-15-06-04 1545363

Balgkupplung, Außendurchmesser:  
15 mm, Bohrungsdurchmesser: 6  
mm/4 mm



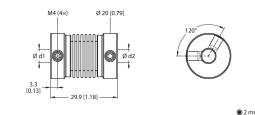
RA-BC-20-06-06 100048777

Balgkupplung mit Aluminiumnabe Ø  
20mm; d1=6mm, d2=6mm



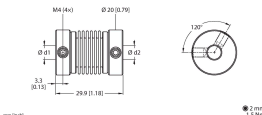
RA-BC-20-06-08 100048778

Balgkupplung mit Aluminiumnabe Ø  
20mm; d1=6mm, d2=8mm



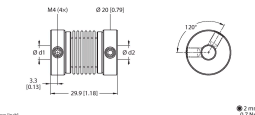
RA-BC-20-06-10 100048779

Balgkupplung mit Aluminiumnabe Ø  
20mm; d1=6mm, d2=10mm



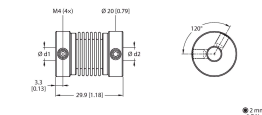
RA-BC-E-20-06-06 100048785

Balgkupplung aus Edelstahl Ø 20mm;  
d1=6mm, d2=6mm



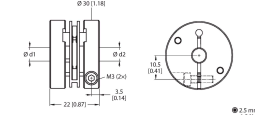
RA-BC-E-20-06-10 100048786

Balgkupplung aus Edelstahl Ø 20mm;  
d1=6mm, d2=10mm



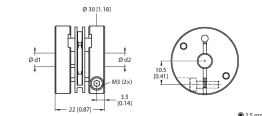
RA-SDC-30-06-10 100048791

Federscheibenkupplung Ø 30mm;  
d1=6mm, d2=10mm



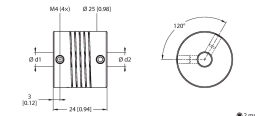
RA-SDC-30-06-06 100048790

Federscheibenkupplung Ø 30mm;  
d1=6mm, d2=6mm

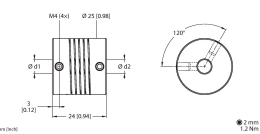


RA-HC-25-06-06 100048794

Wendelkupplung aus Aluminium Ø  
25mm; d1=6mm, d2=6mm



RA-HC-25-06-10 100048795



Wendelkupplung aus Aluminium Ø 25mm; d1=6mm, d2=10mm

Anschlusszubehör

| Maßbild                                                                                                                                                                                                                                                                    | Typ         | Ident-No. |                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
| <p>Technical drawing of a straight 8-pole M12 cable connector (RKC8T-2/TXL). The drawing shows the connector with dimensions: 11.5 mm for the connector length, 42 mm for the cable length, and 50 mm for the cable diameter. The connector is labeled M12 x 1 and 14.</p> | RKC8T-2/TXL | 6625142   | Anschlussleitung, M12-Kupplung, gerade, 8-polig, Leitungslänge: 2 m, Mantelmaterial: PUR, schwarz; cULus-Zulassung    |
| <p>Technical drawing of a bent 8-pole M12 cable connector (WKC8T-2/TXL). The drawing shows the connector with dimensions: 26.5 mm for the connector length, 32 mm for the cable length, and 50 mm for the cable diameter. The connector is labeled M12 x 1 and 14.</p>     | WKC8T-2/TXL | 6625145   | Anschlussleitung, M12-Kupplung, gewinkelt, 8-polig, Leitungslänge: 2 m, Mantelmaterial: PUR, schwarz; cULus-Zulassung |