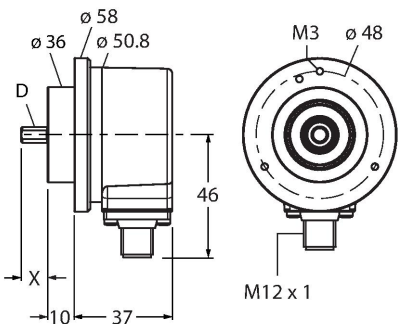


REI-E-113T10C-2B500-H1181  
Incrementele encoder  
Efficiency-Line



Technische gegevens

|                                                    |                                         |
|----------------------------------------------------|-----------------------------------------|
| Type                                               | REI-E-113T10C-2B500-H1181               |
| Identnr.                                           | 100018839                               |
| Meetprincipe                                       | optisch                                 |
| Algemene gegevens                                  |                                         |
| Max. rotatiesnelheid                               | 4500 tpm                                |
| Traagheidsmoment van de rotor                      | 1.8 × 10 <sup>-5</sup> kgm <sup>2</sup> |
| Aanzetmoment                                       | < 0.05 Nm                               |
| Uitgangstype                                       | Incrementeel                            |
| Resolutie incrementeel                             | 500 ppr                                 |
| Elektrische gegevens                               |                                         |
| Bedrijfsspanning U <sub>B</sub>                    | 10...30 VDC                             |
| Eigen stroomopname                                 | ≤ 100 mA                                |
| Uitgangsstroom                                     | ≤ 30 mA                                 |
| Kortsluitbeveiliging                               | Ja                                      |
| Beveiliging tegen kabelbreuk/omgekeerde polariteit | Ja                                      |
| Maximale impulsfrequentie                          | 300 kHz                                 |
| Signaalniveau hoog                                 | min. U <sub>B</sub> - 1 V               |
| Signaalniveau laag                                 | max. 0,5 V                              |
| Uitgangsfunctie                                    | Push-Pull/HTL, met omgekeerd signaal    |
| Mechanische gegevens                               |                                         |
| Flenstype                                          | klemflens                               |
| Flensdiameter                                      | Ø 58 mm                                 |
| Astype                                             | Massieve as                             |
| Asdiameter D (mm)                                  | 10                                      |
| Golflengte L [mm]                                  | 20                                      |

Kenmerken

- Klemflens, Ø 58 mm
- Massieve as, Ø 10 mm × 20 mm
- Optisch meetprincipe
- Asmateriaal: roestvast staal
- Beschermingsklasse IP64 huis- en aszijde
- -20...+70 °C
- max. 4500 omw/min (continue werking: 3000 omw/min)
- 10...30 V DC
- Push-pull/HTL met omgekeerd signaal
- Impulsfrequentie max. 300 kHz
- Connector, M12 × 1, 8-polig
- 500 impulsen per omwenteling

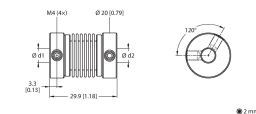
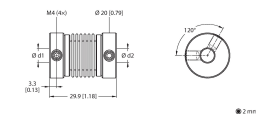
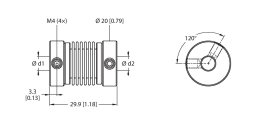
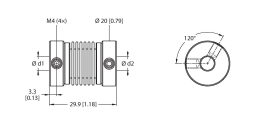
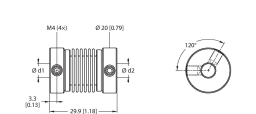
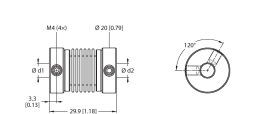
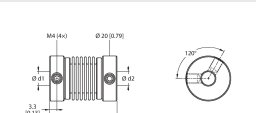
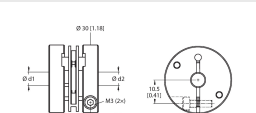
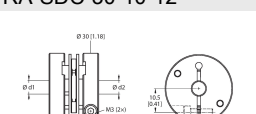
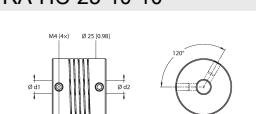
Aansluitschema



## Technische gegevens

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Asmateriaal                        | niet roestend staal                 |
| Materiaal behuizing                | sputgegoten zink                    |
| Elektrische aansluiting            | Connector, M12 × 1                  |
|                                    | 8-polig                             |
| Axiale asbelastbaarheid            | 40 N                                |
| Radiale asbelastbaarheid           | 80 N                                |
| Omgevingsomstandigheden            |                                     |
| Omgevingstemperatuur               | -20...+70 °C                        |
| Trilbestendigheid (EN 60068-2-6)   | 100 m/s <sup>2</sup> , 10...2000 Hz |
| Schokbestendigheid (EN 60068-2-27) | 1000 m/s <sup>2</sup> , 6 ms        |
| Beschermingsgraad                  | IP64                                |
| Protection class shaft             | IP64                                |

## Toebehoren

|                                                                                                                |                                                                                                       |                                                                                                                 |                                                                                                       |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>RA-BC-20-06-10</b><br>   | <b>100048779</b><br><b>Balgkoppeling met aluminium naaf</b><br><b>Ø 20 mm; d1 = 6 mm, d2 = 10 mm</b>  | <b>RA-BC-20-08-10</b><br>   | <b>100048781</b><br><b>Balgkoppeling met aluminium naaf</b><br><b>Ø 20 mm; d1 = 8 mm, d2 = 10 mm</b>  |
| <b>RA-BC-20-10-10</b><br>   | <b>100048782</b><br><b>Balgkoppeling met aluminium naaf</b><br><b>Ø 20 mm; d1 = 10 mm, d2 = 10 mm</b> | <b>RA-BC-20-10-12</b><br>   | <b>100048783</b><br><b>Balgkoppeling met aluminium naaf</b><br><b>Ø 20 mm; d1 = 10 mm, d2 = 12 mm</b> |
| <b>RA-BC-E-20-06-10</b><br> | <b>100048786</b><br><b>Roestvaststalen balgkoppeling</b><br><b>Ø 20 mm; d1 = 6 mm, d2 = 10 mm</b>     | <b>RA-BC-E-20-10-10</b><br> | <b>100048787</b><br><b>Roestvaststalen balgkoppeling</b><br><b>Ø 20 mm; d1 = 10 mm, d2 = 10 mm</b>    |
| <b>RA-BC-E-20-10-12</b><br> | <b>100048788</b><br><b>Roestvaststalen balgkoppeling</b><br><b>Ø 20 mm; d1 = 10 mm, d2 = 12 mm</b>    | <b>RA-SDC-30-10-10</b><br>  | <b>100048792</b><br><b>Borgringkoppeling Ø 30 mm, d1 = 10 mm, d2 = 10 mm</b>                          |
| <b>RA-SDC-30-10-12</b><br>  | <b>100048793</b><br><b>Borgringkoppeling Ø 30 mm, d1 = 10 mm, d2 = 12 mm</b>                          | <b>RA-HC-25-10-10</b><br>   | <b>100048796</b><br><b>Aluminium spiraalkoppeling Ø 25 mm; d1 = 10 mm, d2 = 10 mm</b>                 |

RA-HC-25-10-12

100048797

Aluminium spiraalkoppeling Ø 25 mm;  
d1 = 10 mm, d2 = 12 mm



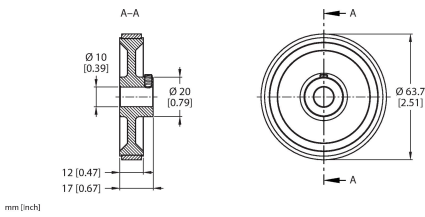
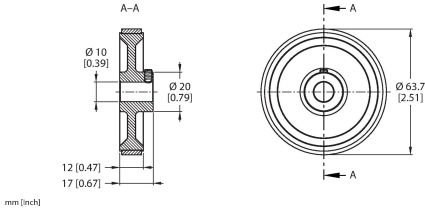
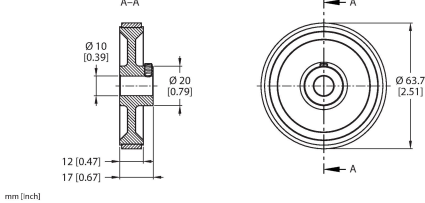
## Toebehoren

| Afmetingen | Type        | Identnr. |                                                                                                                      |
|------------|-------------|----------|----------------------------------------------------------------------------------------------------------------------|
|            | RKC8T-2/TXL | 6625142  | Aansluitkabel, M12-contraconnector, recht, 8-polig, kabellengte: 2 m, mantelmateriaal: PUR, zwart; cULus-goedkeuring |
|            | WKC8T-2/TXL | 6625145  | Aansluitkabel, M12-contraconnector, haaks, 8-polig, kabellengte: 2 m, mantelmateriaal: PUR, zwart; cULus-goedkeuring |

## Toebehoren

| Afmetingen                                                                                                                                                                                                                                                                                                                                                               | Type                | Identnr.  |                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------|-------------------------------------------------------------------------------------------------------|
| <p>Technical drawing of RA-SAB-15-36. Side view shows dimensions: 8 [0.31], 18.5 [0.73], 40 [1.57], 6 [0.24]. Front view shows dimensions: 120 [4.72], 75 [2.95], 45 [1.77], 17.5 [0.69], 66 [2.60], 60 [2.36], 40 [1.57], 8.3 [0.32], 6.5 [0.26]. Other dimensions: Ø 48 [1.89], Ø 36 [1.42], Ø 60 [2.36], Ø 4.2 [0.17] (6x), M5 (2x).</p>                              | RA-SAB-15-36        | 100038251 | Veerarm voor encoders met een flens van 58 mm; aanbevolen contactdruk 15 N; maximale contactdruk 30 N |
| <p>Technical drawing of RA-SAB-30-36. Side view shows dimensions: 120 [4.72], 90 [3.54], 8 [0.31], 70 [2.76], 40.4 [1.59]. Front view shows dimensions: Ø 48 [1.89], Ø 36 [1.42], 60 [2.36], Ø 7 [0.28] (3x), Ø 3.8 [0.15] (3x), 6.5 [0.26], 31 [1.22], 38 [1.50], 60 [2.36], 90.2 [3.55], 102.4 [4.03], 8 [0.31], 6.5 [0.26], 38 [1.50]. Other dimensions: M6 (8x).</p> | RA-SAB-30-36        | 100038294 | Veerarm voor encoders met een flens van 58 mm; aanbevolen contactdruk 30 N; maximale contactdruk 40 N |
| <p>Technical drawing of RA-MW-500-25-DK1-10. Side view (A-A) shows dimensions: Ø 10 [0.39], Ø 30 [1.18], 25 [0.98], 32 [1.26]. Front view shows dimensions: Ø 159.2 [6.27]. Other dimensions: A.</p>                                                                                                                                                                     | RA-MW-500-25-DK1-10 | 100038314 | Aluminium meetwiel (gekarteld) voor encoders; omtrek 0,5 m, breedte 25 mm, D = 10 mm                  |
| <p>Technical drawing of RA-MW-500-25-PS1-10. Side view (A-A) shows dimensions: Ø 10 [0.39], Ø 30 [1.18], 25 [0.98], 32 [1.26]. Front view shows dimensions: Ø 159.2 [6.27]. Other dimensions: A.</p>                                                                                                                                                                     | RA-MW-500-25-PS1-10 | 100038315 | Aluminium meetwiel (glad PU) voor encoders; omtrek 0,5 m, breedte 25 mm, D = 10 mm                    |

| Afmetingen | Type                | Identnr.  |                                                                                              |
|------------|---------------------|-----------|----------------------------------------------------------------------------------------------|
|            | RA-MW-500-25-RT1-10 | 100038316 | Aluminium meetwiel (PU met noppen) voor encoders; omtrek 0,5 m, breedte 25 mm, D = 10 mm     |
|            | RA-MW-500-25-PC1-10 | 100038317 | Aluminium meetwiel (gegroefd PU) voor encoders; omtrek 0,5 m, breedte 25 mm, D = 10 mm       |
|            | RA-MW-300-12-DK1-10 | 100038306 | Aluminium meetwiel (gekarteld) voor encoders; omtrek 0,3 m, breedte 12 mm, D = 10 mm         |
|            | RA-MW-300-12-PS1-10 | 100038307 | Aluminium meetwiel (glad PU) voor encoders; omtrek 0,3 m, breedte 12 mm, D = 10 mm           |
|            | RA-MW-300-12-RT1-10 | 100038308 | Aluminium meetwiel (PU met noppen) voor encoders; omtrek 0,3 m, breedte 12 mm, D = 10 mm     |
|            | RA-MW-300-12-PC1-10 | 100038309 | Aluminium meetwiel (gegroefd PU) voor encoders; omtrek 0,3 m, breedte 12 mm, D = 10 mm       |
|            | RA-MW-200-12-DK1-10 | 100038302 | Meetwiel van aluminium (kruiskarteling) voor encoder; omvang 0,2 m, breedte 12 mm, D = 10 mm |

| Afmetingen                                                                        | Type                | Identnr.  |                                                                                             |
|-----------------------------------------------------------------------------------|---------------------|-----------|---------------------------------------------------------------------------------------------|
|  | RA-MW-200-12-PS1-10 | 100038303 | Meetwiel van aluminium (PU glad) voor encoder; omvang 0,2 m, breedte 12 mm, D = 10 mm       |
|  | RA-MW-200-12-RT1-10 | 100038304 | Meetwiel van aluminium (PU met noppen) voor encoder; omvang 0,2 m, breedte 12 mm, D = 10 mm |
|  | RA-MW-200-12-PC1-10 | 100038305 | Aluminium meetwiel (gegroefd PU) voor encoders; omtrek 0,2 m, breedte 12 mm, D = 10 mm      |