



Technical data

|                                     |                        |
|-------------------------------------|------------------------|
| Electrical connection               | Connector, M12 × 1     |
|                                     | 8-polig                |
| Axial shaft load                    | 40 N                   |
| Radial shaft load                   | 80 N                   |
| Environmental conditions            |                        |
| Ambient temperature                 | -40...+85 °C           |
| Vibration resistance (EN 60068-2-6) | 100 m/s², 10...2000 Hz |
| Shock resistance (EN 60068-2-27)    | 2500 m/s², 6 ms        |
| Protection class                    | IP67                   |
| Protection class shaft              | IP67                   |

Accessories

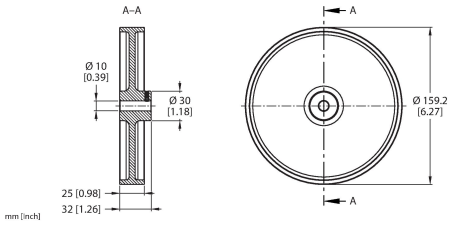
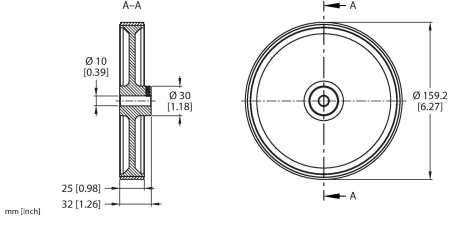
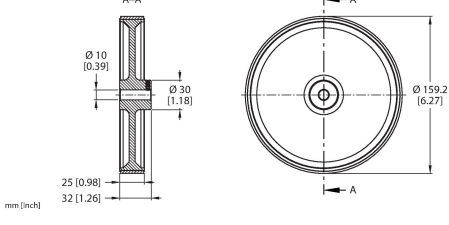
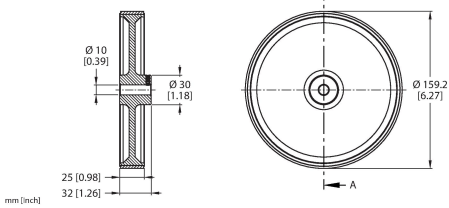
| Dimension drawing | Type           | ID      |                                                                                                                                                                                                                                            |
|-------------------|----------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | E-RKC 8T-264-2 | U-04781 | Connection cable, female M12, straight, 8-pin (twisted pairs), shielded, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a> |



Accessories

| Dimension drawing | Type                | ID        |                                                                                                               |
|-------------------|---------------------|-----------|---------------------------------------------------------------------------------------------------------------|
|                   | RA-SAB-15-36        | 100038251 | Spring arm for encoders with a 58-mm flange; recommended contact pressure 15 N; maximum contact pressure 30 N |
|                   | RA-SAB-30-36        | 100038294 | Spring arm for encoders with a 58-mm flange; recommended contact pressure 30 N; maximum contact pressure 40 N |
|                   | RA-MW-200-12-DK1-10 | 100038302 | Aluminum measuring wheel (cross knurled) for encoders; circumference 0.2 m, width 12 mm, D = 10 mm            |

| Dimension drawing | Type                | ID        |                                                                                                    |
|-------------------|---------------------|-----------|----------------------------------------------------------------------------------------------------|
|                   | RA-MW-200-12-PS1-10 | 100038303 | Aluminum measuring wheel (smooth PU) for encoders; circumference 0.2 m, width 12 mm, D = 10 mm     |
|                   | RA-MW-200-12-RT1-10 | 100038304 | Aluminum measuring wheel (studded PU) for encoders; circumference 0.2 m, width 12 mm, D = 10 mm    |
|                   | RA-MW-200-12-PC1-10 | 100038305 | Aluminum measuring wheel (grooved PU) for encoders; circumference 0.2 m, width 12 mm, D = 10 mm    |
|                   | RA-MW-300-12-DK1-10 | 100038306 | Aluminum measuring wheel (cross knurled) for encoders; circumference 0.3 m, width 12 mm, D = 10 mm |
|                   | RA-MW-300-12-PS1-10 | 100038307 | Aluminum measuring wheel (smooth PU) for encoders; circumference 0.3 m, width 12 mm, D = 10 mm     |
|                   | RA-MW-300-12-RT1-10 | 100038308 | Aluminum measuring wheel (studded PU) for encoders; circumference 0.3 m, width 12 mm, D = 10 mm    |
|                   | RA-MW-300-12-PC1-10 | 100038309 | Aluminum measuring wheel (grooved PU) for encoders; circumference 0.3 m, width 12 mm, D = 10 mm    |

| Dimension drawing                                                                   | Type                | ID        |                                                                                                    |
|-------------------------------------------------------------------------------------|---------------------|-----------|----------------------------------------------------------------------------------------------------|
|    | RA-MW-500-25-DK1-10 | 100038314 | Aluminum measuring wheel (cross knurled) for encoders; circumference 0.5 m, width 25 mm, D = 10 mm |
|    | RA-MW-500-25-PS1-10 | 100038315 | Aluminum measuring wheel (smooth PU) for encoders; circumference 0.5 m, width 25 mm, D = 10 mm     |
|    | RA-MW-500-25-RT1-10 | 100038316 | Aluminum measuring wheel (studded PU) for encoders; circumference 0.5 m, width 25 mm, D = 10 mm    |
|  | RA-MW-500-25-PC1-10 | 100038317 | Aluminum measuring wheel (grooved PU) for encoders; circumference 0.5 m, width 25 mm, D = 10 mm    |