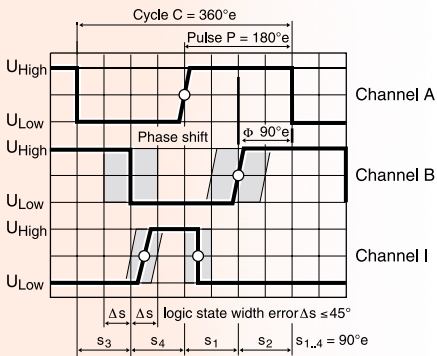
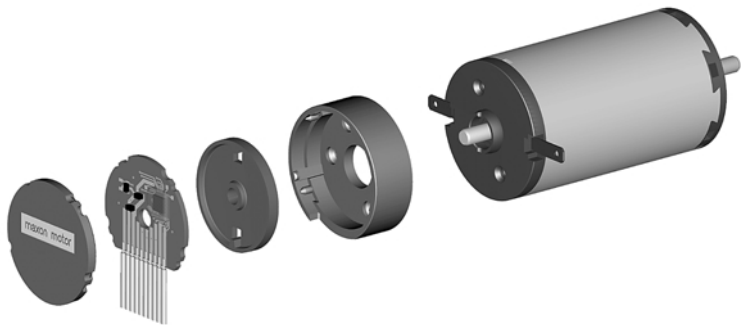


Digital MR Encoder with Line Driver 5 mA, Type ML

maxon tachometer



- Stock program
- Standard program
- Special program (on request!)

| Order Number |        |        |        |        |
|--------------|--------|--------|--------|--------|
| 225771       | 225773 | 225778 | 225805 | 225780 |

| Type                           |     |     |     |     |      |
|--------------------------------|-----|-----|-----|-----|------|
| Counts per turn                | 128 | 256 | 500 | 512 | 1000 |
| Number of channels             | 3   | 3   | 3   | 3   | 3    |
| Max. operating frequency (kHz) | 80  | 160 | 200 | 320 | 200  |



| Combination |         |                      |         |         |      | Overall length [mm] / see: + Gearhead |      |      |      |      |
|-------------|---------|----------------------|---------|---------|------|---------------------------------------|------|------|------|------|
| + Motor     | Page    | + Gearhead           | Page    | + Brake | Page |                                       |      |      |      |      |
| RE 25       | 76 / 77 |                      |         |         |      | 65.5                                  | 65.5 | 65.5 | 65.5 | 65.5 |
| RE 25       | 76 / 77 | GP 26, 0.5 - 2.0 Nm  | 193     |         |      |                                       |      |      |      |      |
| RE 25       | 76 / 77 | GP 32, 0.4 - 6.0 Nm  | 195-199 |         |      |                                       |      |      |      |      |
| RE 26       | 78      |                      |         |         |      | 69.8                                  | 69.8 | 69.8 | 69.8 | 69.8 |
| RE 26       | 78      | GP 26, 0.5 - 2.0 Nm  | 193     |         |      |                                       |      |      |      |      |
| RE 26       | 78      | GP 32, 0.4 - 6.0 Nm  | 195-199 |         |      |                                       |      |      |      |      |
| A-max 26    | 114-120 |                      |         |         |      | 53.5                                  | 53.5 | 53.5 | 53.5 | 53.5 |
| A-max 26    | 114-120 | GP 26, 0.5 - 2.0 Nm  | 193     |         |      |                                       |      |      |      |      |
| A-max 26    | 114-120 | GS 30, 0.07 - 0.2 Nm | 194     |         |      |                                       |      |      |      |      |
| A-max 26    | 114-120 | GP 32, 0.4 - 6.0 Nm  | 195-199 |         |      |                                       |      |      |      |      |
| A-max 26    | 114-120 | GS 38, 0.1 - 0.6 Nm  | 200     |         |      |                                       |      |      |      |      |
| RE-max 29   | 144/146 |                      |         |         |      | 53.5                                  | 53.5 | 53.5 | 53.5 | 53.5 |
| RE-max 29   | 144/146 | GP 26, 0.5 - 2.0 Nm  | 193     |         |      |                                       |      |      |      |      |
| RE-max 29   | 144/146 | GP 32, 0.75 - 6.0 Nm | 195/197 |         |      |                                       |      |      |      |      |

| Technical Data                  |                        |
|---------------------------------|------------------------|
| Supply voltage V <sub>CC</sub>  | 5 V ± 5 %              |
| Output signal                   | TTL compatible         |
| Index pulse width (nominal)     | 90°e                   |
| Operating temperature range     | -25 ... +85°C          |
| Moment of inertia of code wheel | ≤ 0.7 gcm <sup>2</sup> |
| Output current per channel      | max. 5 mA              |

| Pin Allocation                            |                   |
|-------------------------------------------|-------------------|
|                                           |                   |
| 1                                         | N.C.              |
| 2                                         | V <sub>CC</sub>   |
| 3                                         | Gnd               |
| 4                                         | N.C.              |
| 5                                         | Channel A         |
| 6                                         | Channel A         |
| 7                                         | Channel B         |
| 8                                         | Channel B         |
| 9                                         | Channel I (Index) |
| 10                                        | Channel I (Index) |
| DIN Connector 41651<br>Flat cables AWG 28 |                   |

