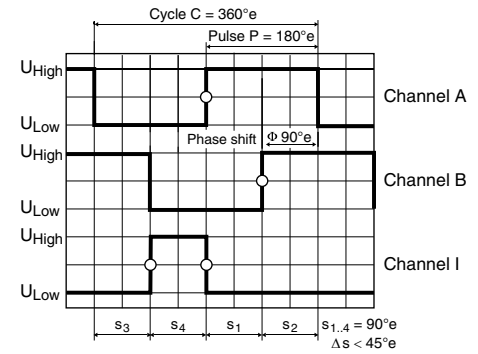


Encoder MR Type ML, 128–1000 CPT, 3 Channels, with Line Driver



Direction of rotation cw (definition cw p. 60)

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

Part Numbers

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
Max. speed (rpm)	37 500	37 500	24 000	37 500	12 000



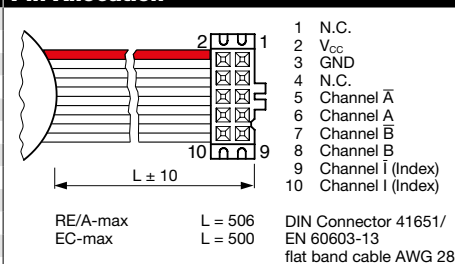
maxon Modular System

+ Motor	Page	+ Gearhead	Page	Ø Enc [mm]	Overall length [mm] / • see Gearhead				
RE 25	125/127			25	65.5	65.5	65.5	65.5	65.5
RE 25	125/127 GP 26, 0.75 - 4.5 Nm	340		25	•	•	•	•	•
RE 25	125/127 GP 32, 0.75 - 6.0 Nm	342-347		25	•	•	•	•	•
RE 25	125/127 KD 32, 1.0 - 4.5 Nm	352		25	•	•	•	•	•
RE 25	125/127 GP 32 S	374-379		25	•	•	•	•	•
RE 25, 20 W	126			25	54.0	54.0	54.0	54.0	54.0
RE 25, 20 W	126	GP 22, 0.5 Nm	333	25	•	•	•	•	•
RE 25, 20 W	126	GP 26, 0.75 - 4.5 Nm	340	25	•	•	•	•	•
RE 25, 20 W	126	GP 32, 0.75 - 6.0 Nm	342-347	25	•	•	•	•	•
RE 25, 20 W	126	KD 32, 1.0 - 4.5 Nm	352	25	•	•	•	•	•
RE 25, 20 W	126	GP 32 S	374-379	25	•	•	•	•	•
A-max 26	152-158			25	53.5	53.5	53.5	53.5	53.5
A-max 26	152-158 GP 26, 0.75 - 4.5 Nm	340		25	•	•	•	•	•
A-max 26	152-158 GS 30, 0.07 - 0.2 Nm	341		25	•	•	•	•	•
A-max 26	152-158 GP 32, 0.75 - 6.0 Nm	342-347		25	•	•	•	•	•
A-max 26	152-158 GS 38, 0.1 - 0.6 Nm	353		25	•	•	•	•	•
A-max 26	152-158 GP 32 S	374-379		25	•	•	•	•	•
EC-max 30, 40 W	224			25			54.2		54.2
EC-max 30, 40 W	224	GP 32, 1 - 8.0 Nm	347/350	25			•		•
EC-max 30, 40 W	224	KD 32, 1.0 - 4.5 Nm	352	25			•		•
EC-max 30, 40 W	224	GP 32 S	374-379	25			•		•
EC-max 30, 60 W	225			25			76.2		76.2
EC-max 30, 60 W	225	GP 32, 1 - 8.0 Nm	347/350	25			•		•
EC-max 30, 60 W	225	KD 32, 1.0 - 4.5 Nm	352	25			•		•
EC-max 30, 60 W	225	GP 42, 3 - 15 Nm	355	25			•		•

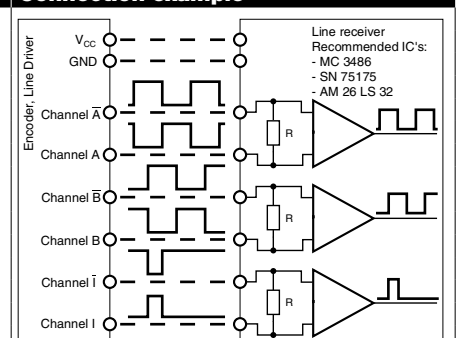
Technical Data

Supply voltage V_{CC}	5 V \pm 5%
Typical current draw	14 mA
Output signal	TTL compatible
Phase shift Φ	90°e \pm 45°e
Index pulse width	90°e \pm 45°e
Operating temperature range	-25...+85°C
Moment of inertia of code wheel	≤ 0.7 gcm ²
Output current per channel	max. 5 mA

Pin Allocation



Connection example



The index signal I is synchronized with channel A or B.

Opt. terminal resistance $R > 1$ k Ω