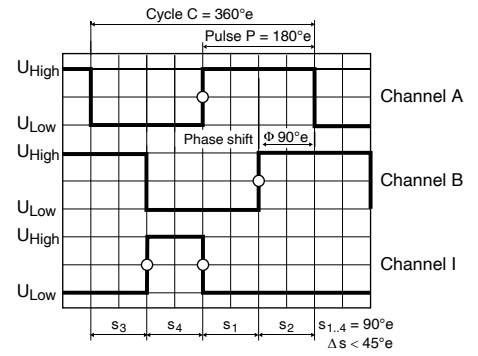


Encoder MR Type ML, 128–1000 CPT, 3 channels, with line driver

sensor



Direction of rotation cw (definition cw p. 78)

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

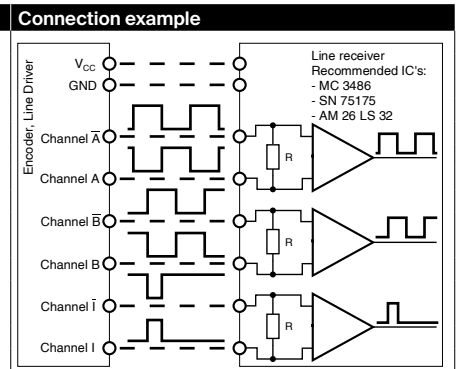
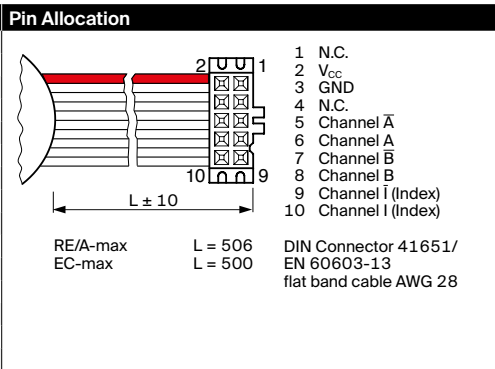
Part Numbers				
225771	225773	225778	225805	225780

Type	225771	225773	225778	225805	225780
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)	37500	37500	24000	37500	12000



maxon Modular System									
+ Motor	Page	+ Gearhead	Page	∅ Enc [mm]	Overall length [mm] / • see Gearhead				
RE 25	144/146			25	65.5	65.5	65.5	65.5	65.5
RE 25	144/146	GP 26, 0.75 - 4.5 Nm	390	25	•	•	•	•	•
RE 25	144/146	GP 32, 0.75 - 6.0 Nm	392-398	25	•	•	•	•	•
RE 25	144/146	KD 32, 1.0 - 4.5 Nm	403	25	•	•	•	•	•
RE 25	144/146	GP 32 S	426-433	25	•	•	•	•	•
RE 25, 20 W	145			25	54.0	54.0	54.0	54.0	54.0
RE 25, 20 W	145	GP 22, 0.5 - 1.0 Nm	383	25	•	•	•	•	•
RE 25, 20 W	145	GP 26, 0.75 - 4.5 Nm	390	25	•	•	•	•	•
RE 25, 20 W	145	GP 32, 0.75 - 6.0 Nm	392-398	25	•	•	•	•	•
RE 25, 20 W	145	KD 32, 1.0 - 4.5 Nm	403	25	•	•	•	•	•
RE 25, 20 W	145	GP 32 S	426-433	25	•	•	•	•	•
A-max 26	171-174			25	53.5	53.5	53.5	53.5	53.5
A-max 26	171-174	GP 26, 0.75 - 4.5 Nm	390	25	•	•	•	•	•
A-max 26	171-174	GS 30, 0.07 - 0.2 Nm	391	25	•	•	•	•	•
A-max 26	171-174	GP 32, 0.75 - 6.0 Nm	392-398	25	•	•	•	•	•
A-max 26	171-174	GS 38, 0.1 - 0.6 Nm	404	25	•	•	•	•	•
A-max 26	171-174	GP 32 S	426-433	25	•	•	•	•	•
EC-max 30, 40 W	250			25			54.2		54.2
EC-max 30, 40 W	250	GP 32, 0.75 - 8.0 Nm	394-400	25	•	•	•	•	•
EC-max 30, 40 W	250	KD 32, 1.0 - 4.5 Nm	403	25	•	•	•	•	•
EC-max 30, 40 W	250	GP 32 S	426-433	25	•	•	•	•	•
EC-max 30, 60 W	251			25			76.2		76.2
EC-max 30, 60 W	251	GP 32, 0.75 - 8.0 Nm	394-400	25	•	•	•	•	•
EC-max 30, 60 W	251	KD 32, 1.0 - 4.5 Nm	403	25	•	•	•	•	•
EC-max 30, 60 W	251	GP 42, 3 - 15 Nm	406	25	•	•	•	•	•
EC-max 30, 60 W	251	GP 32 S	426-433	25	•	•	•	•	•

Technical Data	
Supply voltage V_{CC}	5 V ± 5%
Typical current draw	14 mA
Output signal	TTL compatible
Phase shift ϕ	90°e ± 45°e
Index pulse width	90°e ± 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



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

Opt. terminal resistance R > 1 kΩ