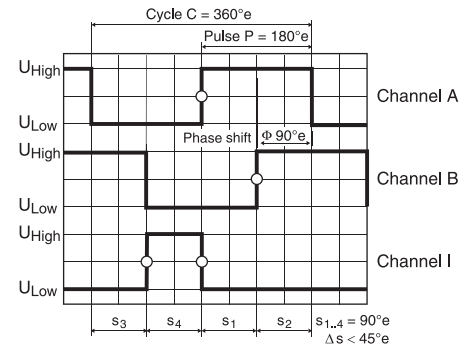


Encoder MR, Type L, 256 - 1024 CPT, 3 Channels, with Line Driver

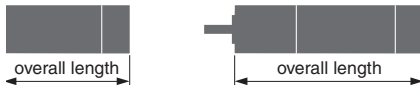


- Stock program
- Standard program
- Special program (on request)

Order Number

225783	228452	225785	228456	225787
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Type	225783	228452	225785	228456	225787
Counts per turn	256	500	512	1000	1024
Number of channels	3	3	3	3	3
Max. operating frequency (kHz)	80	200	160	200	320
Max. speed (rpm)	18750	24000	18750	12000	18750



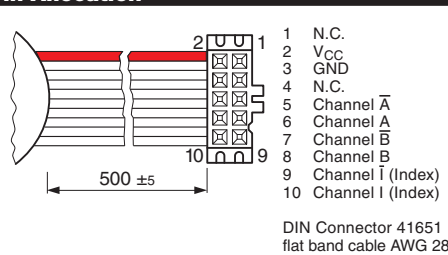
maxon Modular System

+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see Gearhead				
RE 30, 60 W	80					79.4	79.4	79.4	79.4	79.4
RE 30, 60 W	80	GP 32, 0.75 - 6.0 Nm	234/235			•	•	•	•	•
RE 30, 60 W	80	GP 32 S	251-253			•	•	•	•	•
RE 30, 60 W	80	GP 32, 0.75 - 4.5 Nm	232			•	•	•	•	•
RE 35, 90 W	81					82.4	82.4	82.4	82.4	82.4
RE 35, 90 W	81	GP 32, 0.75 - 4.5 Nm	232			•	•	•	•	•
RE 35, 90 W	81	GP 32, 0.75 - 6.0 Nm	234/235			•	•	•	•	•
RE 35, 90 W	81	GP 32, 4.0 - 8.0 Nm	237			•	•	•	•	•
RE 35, 90 W	81	GP 42, 3 - 15 Nm	240			•	•	•	•	•
RE 35, 90 W	81	GP 32 S	251-253			•	•	•	•	•
RE 40, 150 W	82					82.4	82.4	82.4	82.4	82.4
RE 40, 150 W	82	GP 42, 3 - 15 Nm	240			•	•	•	•	•
RE 40, 150 W	82	GP 52, 4 - 30 Nm	243			•	•	•	•	•
A-max 32	114/116					72.7	72.7	72.7	72.7	72.7
A-max 32	114/116	GP 32, 0.75 - 6.0 Nm	234/236			•	•	•	•	•
A-max 32	114/116	GS 38, 0.1 - 0.6 Nm	239			•	•	•	•	•
A-max 32	114/116	GP 32 S	251-253			•	•	•	•	•
EC-max 40, 70 W	172					73.9	73.9	73.9	73.9	73.9
EC-max 40, 70 W	172	GP 42, 3 - 15 Nm	241			•	•	•	•	•
EC-max 40, 120 W	173					103.9	103.9	103.9	103.9	103.9
EC-max 40, 120 W	173	GP 52, 4 - 30 Nm	244			•	•	•	•	•
EC-i 40, 50 W	192					42.0	42.0	42.0	42.0	42.0
EC-i 40, 50 W	192	GP 32, 1 - 6 Nm	236			•	•	•	•	•
EC-i 40, 50 W	192	GP 32 S	251-253			•	•	•	•	•
EC-i 40, 70 W	193					52.0	52.0	52.0	52.0	52.0
EC-i 40, 70 W	193	GP 32, 1 - 6 Nm	236			•	•	•	•	•
EC-i 40, 70 W	193	GP 32 S	251-253			•	•	•	•	•

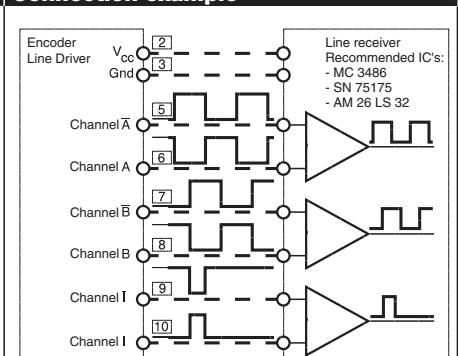
Technical Data

Supply voltage	5 V ± 5 %
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	≤ 1.7 gcm ²
Output current per channel	max. 5 mA

Pin Allocation



Connection example



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