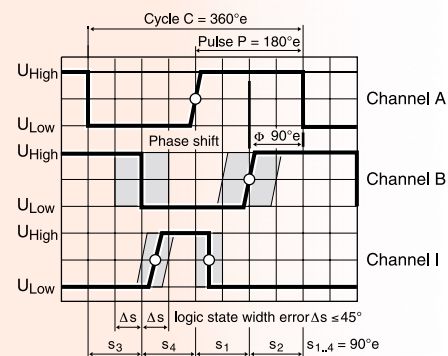
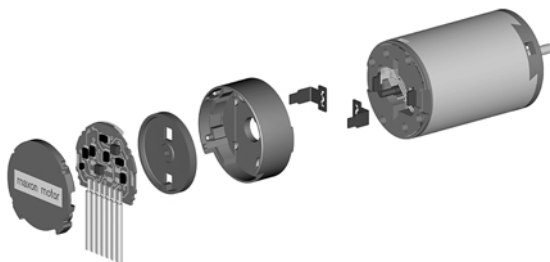


Digital MR Encoder, Type S



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

Order Number

201933 224702 228433

Type

Counts per turn	16	16	16
Number of channels	2	2	3
Max. operating frequency (kHz)	8	8	8



Combination

+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see: + Gearhead
RE 10	52					22.6
RE 10	52	GP 10, 0.005 - 0.15 Nm	176/177			•
RE 10	54					30.2
RE 10	54	GP 10, 0.005 - 0.15 Nm	176/177			•
A-max 12	100					25.1
A-max 12	100	GP 10, 0.005 - 0.15 Nm	176/177			•
A-max 12	100	GS 12, 0.01 - 0.02 Nm	178			•
A-max 12	100	GP 13, 0.2 - 0.35 Nm	179			•
A-max 12	100	GP 13, 0.05 - 0.15 Nm	180			•
RE 13, 0.75 W	57					26.3 26.3
RE 13, 0.75 W	58					28.7 28.7
RE 13, 0.75 W	58	GP 13, 0.2 - 0.35 Nm	179			• •
RE 13, 0.75 W	58	GP 13, 0.05 - 0.15 Nm	180			• •
RE 13, 2 W	61					38.5 38.5
RE 13, 2 W	62					40.9 40.9
RE 13, 2 W	62	GP 13, 0.2 - 0.35 Nm	179			• •
RE 13, 2 W	62	GP 13, 0.05 - 0.15 Nm	180			• •
RE 13, 1.5 W	65					28.4 28.4
RE 13, 1.5 W	66					30.8 30.8
RE 13, 1.5 W	66	GP 13, 0.2 - 0.35 Nm	179			• •
RE 13, 1.5 W	66	GP 13, 0.05 - 0.15 Nm	180			• •
RE 13, 3 W	69					40.6 40.6
RE 13, 3 W	70					43.0 43.0
RE 13, 3 W	70	GP 13, 0.2 - 0.35 Nm	179			• •
RE 13, 3 W	70	GP 13, 0.05 - 0.15 Nm	180			• •
RE-max 13, 0.75 W	128					25.2 25.2
RE-max 13, 0.75 W	128	GP 13, 0.2 - 0.35 Nm	179			• •
RE-max 13, 0.75 W	128	GP 13, 0.05 - 0.15 Nm	180			• •
RE-max 13, 2 W	130					36.2 36.2
RE-max 13, 2 W	130	GP 13, 0.2 - 0.35 Nm	179			• •
RE-max 13, 2 W	130	GP 13, 0.05 - 0.15 Nm	180			• •

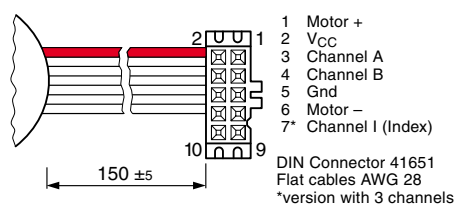
Technical Data

Supply voltage V_{CC}	2.5 - 5.5 V
Output signal at $V_{CC} = 5$ VDC	TTL compatible
Index pulse width (nominal)	> 90°e
Operating temperature range	-25 ... +85°C
Moment of inertia of code wheel	≤ 0.005 gcm ²
Output current per channel	max. 5 mA

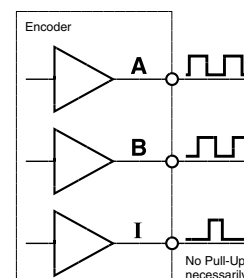
Attention: The index signal I is not synchronised with channel A or B.

For order number 228433 applies: The length of the index signal can last more than one cycle.

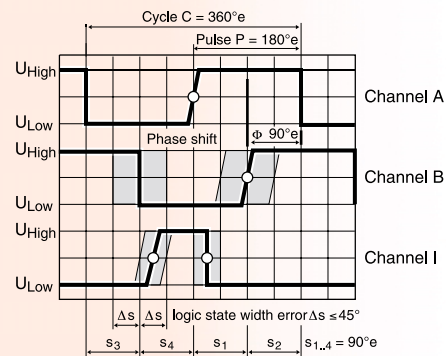
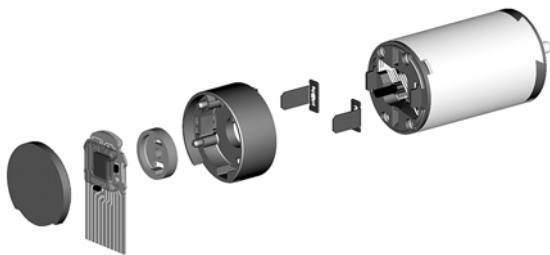
Pin Allocation



Connection Example



Digital MR Encoder, Type S



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

Order Number					
250895	250896	250897	250898	250899	250900

Type						
Counts per turn	64	64	128	128	256	256
Number of channels	2	3	2	3	2	3
Max. operating frequency (kHz)	80	80	160	160	320	320



Combination						Overall length [mm] / see: + Gearhead					
+ Motor	Page	+ Gearhead	Page	+ Brake	Page						
RE 10	52					22.6	22.6	22.6	22.6	22.6	22.6
RE 10	52	GP 10, 0.005 - 0.15 Nm	176/177			•	•	•	•	•	•
RE 10	54					30.2	30.2	30.2	30.2	30.2	30.2
RE 10	54	GP 10, 0.005 - 0.15 Nm	176/177			•	•	•	•	•	•
A-max 12	100					25.1	25.1	25.1	25.1	25.1	25.1
A-max 12	100	GP 10, 0.005 - 0.15 Nm	176/177			•	•	•	•	•	•
A-max 12	100	GS 12, 0.01 - 0.02 Nm	178			•	•	•	•	•	•
A-max 12	100	GP 13, 0.2 - 0.35 Nm	179			•	•	•	•	•	•
A-max 12	100	GP 13, 0.05 - 0.15 Nm	180			•	•	•	•	•	•

Technical Data	
Supply voltage	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	≤ 0.005 gcm ²
Output current per channel	max. 5 mA

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

