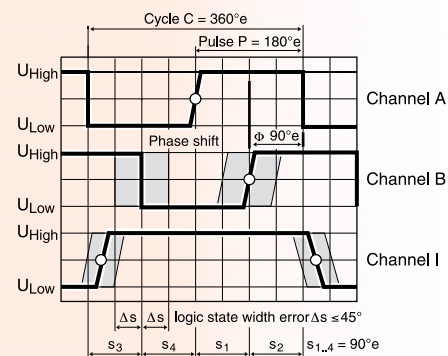
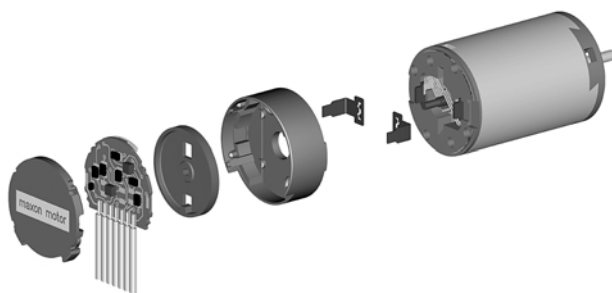


Digital MR Encoder, Type M



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

Order Number

201935 201938

Type

Counts per turn	32	32
Number of channels	2	3
Max. operating frequency (kHz)	8	8



Combination

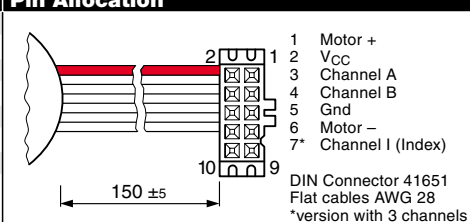
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm]	/ see: + Gearhead
RE 16, 3.2 W	73					45.4	45.4
RE 16, 3.2 W	73	GP 16, 0.1 - 0.3 Nm	185				
RE 16, 3.2 W	73	GP 16, 0.06 - 0.18 Nm	186				
RE 16, 4.5 W	75					48.4	48.4
RE 16, 4.5 W	75	GP 16, 0.1 - 0.3 Nm	185				
RE 16, 4.5 W	75	GP 16, 0.06 - 0.18 Nm	186				
A-max 16	102/104					30.4	30.4
A-max 16	102/104	GS 16, 0.015 Nm	181				
A-max 16	102/104	GS 16, 0.01 - 0.1 Nm	182-184				
A-max 16	102/104	GP 16, 0.1 - 0.3 Nm	185				
A-max 16	102/104	GP 16, 0.06 - 0.18 Nm	186				
A-max 19	106					34.0	34.0
A-max 19	106	GP 19, 0.1 - 0.3 Nm	187				
A-max 19	106	GP 22, 0.5 - 2.0 Nm	190/191				
A-max 19	106	GS 24, 0.1 Nm	192				
A-max 19	108					35.8	35.8
A-max 19	108	GP 19, 0.1 - 0.3 Nm	187				
A-max 19	108	GP 22, 0.5 - 2.0 Nm	190/191				
A-max 19	108	GS 24, 0.1 Nm	192				
A-max 22	110/112					36.9	36.9
A-max 22	110/112	GP 22, 0.1 - 0.6 Nm	188/189				
A-max 22	110/112	GP 22, 0.5 - 2.0 Nm	190/191				
A-max 22	110/112	GS 24, 0.1 Nm	192				
RE-max 17	132/134					30.4	30.4
RE-max 17	132/134	GP 16, 0.1 - 0.3 Nm	185				
RE-max 17	132/134	GP 16, 0.06 - 0.18 Nm	186				
RE-max 21	136					34.0	34.0
RE-max 21	136	GP 22, 0.5 - 2.0 Nm	190/191				
RE-max 21	136	GS 38, 0.1 - 0.6 Nm	200				
RE-max 21	138					35.8	35.8
RE-max 21	138	GP 22, 0.5 - 2.0 Nm	190/191				
RE-max 21	138	GS 38, 0.1 - 0.6 Nm	200				
RE-max 24	140/142					36.9	36.9
RE-max 24	140/142	GP 22, 0.5 - 2.0 Nm	191				
RE-max 24	140/142	GS 38, 0.1 - 0.6 Nm	200				

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	≤ 0.09 gcm ²
Output current per channel	max. 5 mA

Attention: The index signal I is not synchronised with channel A or B.
The length of the index signal can last more than one cycle.

Pin Allocation



Connection Example

