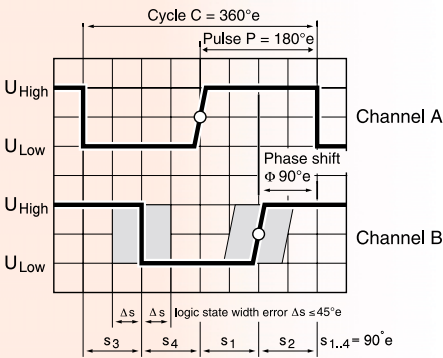
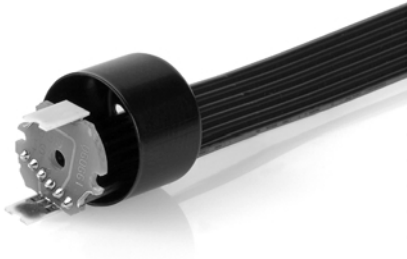
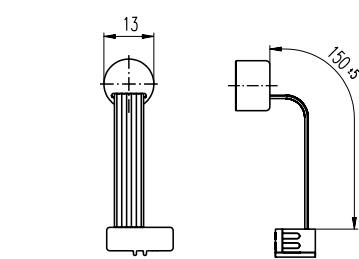


# Digital Magnetic Encoder Ø13 mm, 16 Counts per turn, 2 Channels

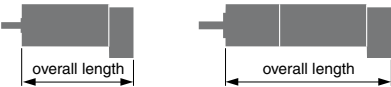


- Stock program
- Standard program
- Special program (on request!)

Order Number

110778

## Type



Combination				
+ Motor	Page	+ Gearhead	Page	Overall length [mm] / ● see: + Gearhead
RE 13, 0.75 W	57 / 58			27.0 / 29.4
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 / 62			39.2 / 41.6
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 / 66			30.3 / 32.7
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 / 70			42.5 / 44.9
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 16, 3.2 W	73			46.5
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			49.5
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 2516, 0.8 W	85			24.7
A 2516, 0.8 W	85	GS 16, 0.01 - 0.03 Nm	182	●
A 2516, 0.8 W	85	GS 16, 0.01 - 0.03 Nm	183	●
A 2516, 0.8 W	85	GS 16, 0.06 - 0.1 Nm	184	●
A 2520, 1.2 W	86			25.6
A 2520, 1.2 W	86	GP 19, 0.1 - 0.3 Nm	187	●
GM 20, 1.2 W	87	GS 20, (integrated)	87	28.5
A-max 16	101/104			33.5
A-max 16	101/104	GS 16, 0.015 Nm	181	●
A-max 16	101/104	GS 16, 0.01 - 0.03 Nm	182/183	●
A-max 16	101/104	GS 16, 0.06 - 0.1 Nm	184	●
A-max 16	101/104	GP 16, 0.1 - 0.3 Nm	185	●
A-max 16	101/104	GP 16, 0.06 - 0.18 Nm	186	●
A-max 19	105/107			36.4 / 38.2
A-max 19	105/107	GP 19, 0.1 - 0.3 Nm	187	●
A-max 19	105/107	GP 22, 0.5 - 2.0 Nm	190/191	●
A-max 19	105/107	GS 24, 0.1 Nm	192	●
A-max 22	109/111			39.0
A-max 22	109/111	GP 22, 0.1 - 0.6 Nm	188/189	●
A-max 22	109/111	GP 22, 0.5 - 2.0 Nm	190/191	●
A-max 22	109/111	GS 24, 0.1 Nm	192	●
A-max 26	113-119			51.8
A-max 26	113-119	GP 26, 0.5 - 2.0 Nm	193	●
A-max 26	113-119	GS 30, 0.07 - 0.2 Nm	194	●
A-max 26	113-119	GP 32, 0.75 - 6.0 Nm	195/197	●
A-max 26	113-119	GP 32, 0.4 - 2.0 Nm	199	●
A-max 26	113-119	GS 38, 0.1 - 0.6 Nm	200	●

Technical Data			
Supply voltage V <sub>CC</sub>	3.8 - 24 V	Power input at V <sub>CC</sub> 5 VDC	max. 8 mA
Output signal at V <sub>CC</sub> = 5 VDC	TTL compatible	Inertia of the magnetic disc	0.07 gcm <sup>2</sup>
Number of channels	2	Operating temperature range	-20 ... +80°C
Counts per turn	16	Max. operating frequency	20 kHz
Phase shift	90°e		

Pin Allocation

1 Motor+

2 V<sub>CC</sub>

3 Channel A

4 Channel B

5 Gnd

6 Motor-

Pin type 3M 87110-160020  
Flat cables AWG 28