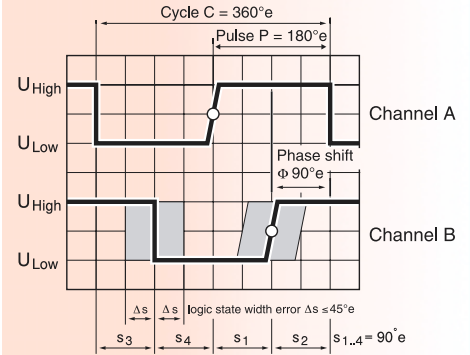
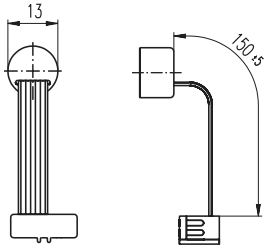


# Digital Magnetic Encoder $\varnothing 13$ mm, 16 Counts per turn, 2 Channels



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

**Order Number**

110778

**Type**



**Combination**

+ Motor	Page	+ Gearhead	Page	Overall length [mm] / ● see: + Gearhead
RE 13, 1.2 W	52 / 53			27.0
RE 13, 1.2 W	53	GP 13, 0.2 - 0.35 Nm	167	●
RE 13, 1.2 W	53	GP 13, 0.05 - 0.15 Nm	168	●
RE 13, 2.5 W	56 / 57			39.2
RE 13, 2.5 W	57	GP 13, 0.2 - 0.35 Nm	167	●
RE 13, 2.5 W	57	GP 13, 0.05 - 0.15 Nm	168	●
RE 13, 1.5 W	62 / 63			30.3
RE 13, 1.5 W	63	GP 13, 0.2 - 0.35 Nm	167	●
RE 13, 1.5 W	63	GP 13, 0.05 - 0.15 Nm	168	●
RE 13, 3 W	66 / 67			42.5
RE 13, 3 W	67	GP 13, 0.2 - 0.35 Nm	167	●
RE 13, 3 W	67	GP 13, 0.05 - 0.15 Nm	168	●
RE 16, 3.2 W	70			46.5
RE 16, 3.2 W	70	GP 16, 0.1 - 0.3 Nm	172	●
RE 16, 3.2 W	70	GP 16, 0.06 - 0.18 Nm	173	●
RE 16, 4.5 W	72			49.7
RE 16, 4.5 W	72	GP 16, 0.1 - 0.3 Nm	172	●
RE 16, 4.5 W	72	GP 16, 0.06 - 0.18 Nm	173	●
GM 20, 1.2 W	87	GS 20, (integrated)	87	28.5
A 2516, 0.8 W	85			24.7
A 2516, 0.8 W	85	GS 16, 0.01 - 0.03 Nm	170	●
A 2516, 0.8 W	85	GS 16, 0.01 - 0.03 Nm	171	●
A 2520, 1.2 W	86 / 87	*		26.6
A 2520, 1.2 W	86	GP 19, 0.1 - 0.3 Nm	174	●
A-max 16	101/104			33.5
A-max 16	101/104	GS 16, 0.015 Nm	169	●
A-max 16	101/104	GS 16, 0.01 - 0.03 Nm	170/171	●
A-max 16	101/104	GP 16, 0.1 - 0.3 Nm	172	●
A-max 16	101/104	GP 16, 0.06 - 0.18 Nm	173	●
A-max 19	105/107			36.4 / 39.3
A-max 19	105/107	GP 19, 0.1 - 0.3 Nm	174	●
A-max 19	105/107	GP 22, 0.1 - 0.6 Nm	176	●
A-max 19	105/107	GP 22, 0.5 - 2.0 Nm	177/178	●
A-max 19	105/107	GS 24, 0.1 Nm	179	●
A-max 22	109/111			39.0
A-max 22	109/111	GP 22, 0.1 - 0.6 Nm	175/176	●
A-max 22	109/111	GP 22, 0.5 - 2.0 Nm	177/178	●
A-max 22	109/111	GS 24, 0.1 Nm	179	●
A-max 26	113-119			51.8
A-max 26	113-119	GP 26, 0.2 - 1.8 Nm	180	●
A-max 26	113-119	GP 26, 0.5 - 2.0 Nm	181	●
A-max 26	113-119	GS 30, 0.07 - 0.2 Nm	182	●
A-max 26	113-119	GP 32, 0.75 - 6.0 Nm	183/186	●
A-max 26	113-119	GP 32, 0.4 - 2.0 Nm	189	●
A-max 26	113-119	GS 38, 0.1 - 0.6 Nm	190	●

\* GM 20: Overall length 29.5 mm

**Technical Data**

Supply voltage $V_{cc}$	3.8 - 24 V	Power input at $V_{cc}$ 5 VDC	max. 8 mA
Output signal at $V_{cc} = 5$ 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	min. 20 kHz
Phase shift	90°e		

**Pin Allocation**

