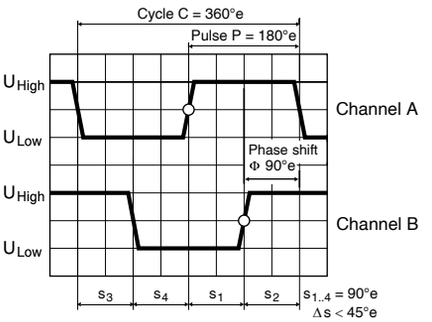
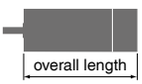
Encoder MR Type S, 16 CPT, 2 channels

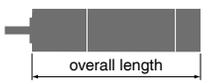


Direction of rotation cw (definition cw p. 78)

Stock program
Standard program
Special program (on request)

Part Numbers	201933	224702
Type		
Counts per turn	16	16
Number of channels	2	2
Max. operating frequency (kHz)	8	8
Max. speed (rpm)	30 000	30 000





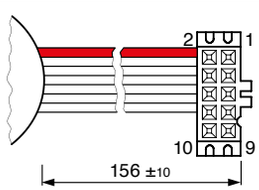
maxon Modular System

+ Motor	Page	+ Gearhead	Page	∅ Enc [mm]	Overall length [mm] / ● see Gearhead	
RE 10, 0.75 W	120			10	22.8	
RE 10, 0.75 W	120	GP 10, 0.005 - 0.15 Nm	370/371	10	●	
RE 10, 1.5 W	122			10	30.4	
RE 10, 1.5 W	122	GP 10, 0.005 - 0.15 Nm	370/371	10	●	
RE 13, 0.75 W	125			13		26.3
RE 13, 0.75 W	126			13		28.7
RE 13, 0.75 W	126	GP 13, 0.05 - 0.15 Nm	373	13		●
RE 13, 0.75 W	126	GP 13, 0.2 - 0.35 Nm	374	13		●
RE 13, 2 W	129			13		38.5
RE 13, 2 W	130			13		40.9
RE 13, 2 W	130	GP 13, 0.05 - 0.15 Nm	373	13		●
RE 13, 2 W	130	GP 13, 0.2 - 0.35 Nm	374	13		●
RE 13, 1.5 W	133			13		28.4
RE 13, 1.5 W	134			13		30.8
RE 13, 1.5 W	134	GP 13, 0.05 - 0.15 Nm	373	13		●
RE 13, 1.5 W	134	GP 13, 0.2 - 0.35 Nm	374	13		●
RE 13, 3 W	137			13		40.6
RE 13, 3 W	138			13		43.0
RE 13, 3 W	138	GP 13, 0.05 - 0.15 Nm	373	13		●
RE 13, 3 W	138	GP 13, 0.2 - 0.35 Nm	374	13		●
A-max 12, 0.5 W	158			12	25.3	
A-max 12, 0.5 W	158	GP 10, 0.01 - 0.15 Nm	371	12	●	
A-max 12, 0.5 W	158	GS 12, 0.01 - 0.03 Nm	372	12	●	
A-max 12, 0.5 W	158	GP 13, 0.05 - 0.15 Nm	373	12	●	
A-max 12, 0.5 W	158	GP 13, 0.2 - 0.35 Nm	374	12	●	

Technical Data

Supply voltage V_{CC}	2.7 - 5.5 V
Typical current draw	7 mA
Output signal V_{CC} = 5 VDC	TTL compatible
Phase shift Φ	90°e ± 45°e
Operating temperature range	-40...+85 °C
Moment of inertia of code wheel	≤ 0.005 gcm²
Output current per channel	max. 5 mA

Pin Allocation



1 Motor +
2 V_{CC}
3 Channel A
4 Channel B
5 GND
6 Motor –

DIN Connector 41651/
EN 60603-13
flat band cable AWG 28

Connection example