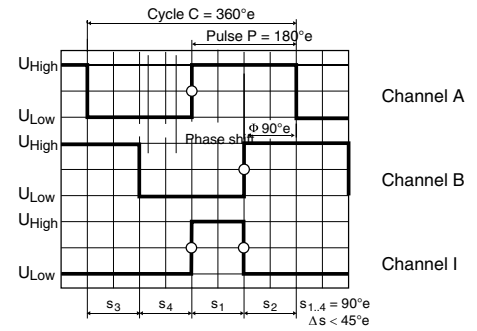


Encoder 6 MAG 64–256 CPT, 3 Channels



Direction of rotation cw (definition cw p. 60)

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

Part Numbers						
502804	502805	502806	547012	547013	547014	547014

Type (provisional)	502804	502805	502806	547012	547013	547014
Counts per turn	64	128	256	64	128	256
Number of channels	3	3	3	3	3	3
Max. operating frequency (kHz)	64	64	64	64	64	64
Max. speed (rpm)	100 000	50 000	25 000	100 000	50 000	25 000



maxon Modular System									
+ Motor	Page	+ Gearhead	Page	∅ Enc [mm]	Overall length [mm] / ● see Gearhead				
EC 6, 1.5 W, B	204			6 (8*)	23.4	23.4	23.4		
EC 6, 1.5 W, B	204	GP 6, 0.002 - 0.03 Nm	317	6 (8*)	●	●	●		
EC 6, 1.5 W, B	204	GP 6 S	365-366	6 (8*)	●	●	●		
EC 6, 2.0 W, B	205			6 (8*)	23.4	23.4	23.4		
EC 6, 2.0 W, B	205	GP 6, 0.002 - 0.03 Nm	317	6 (8*)	●	●	●		
EC 6, 2.0 W, B	205	GP 6 S	365-366	6 (8*)	●	●	●		
EC 6, 1.5 W, A	204			6 (8*)				23.4	23.4
EC 6, 1.5 W, A	204	GP 6, 0.002 - 0.03 Nm	317	6 (8*)				●	●
EC 6, 1.5 W, A	204	GP 6 S	365-366	6 (8*)				●	●
EC 6, 2.0 W, A	205			6 (8*)				23.4	23.4
EC 6, 2.0 W, A	205	GP 6, 0.002 - 0.03 Nm	317	6 (8*)				●	●
EC 6, 2.0 W, A	205	GP 6 S	365-366	6 (8*)				●	●

*Max diameter of the end cap (incl. extension).

Technical Data	Pin Allocation	Connection example
Supply voltage V_{CC} 3 - 3.6 V Typical current draw 10 mA Output signal $V_{CC} = 3.3$ VDC TTL compatible Phase shift Φ $90^\circ e \pm 45^\circ e$ Index pulse width $90^\circ e \pm 45^\circ e$ Operating temperature range $-40 \dots +125^\circ C$ Moment of inertia of code wheel ≤ 0.001 gcm ² Output current per channel ≤ 4 mA	<p> B sensorless 1 W1 2 W2 3 W3 4 GND 5 V_{CC} 6 Channel A 7 Channel B 8 Channel I 9 Do not connect 10 Do not connect 11 Do not connect 12 Do not connect </p> <p> A Hall sensor W1 W2 W3 GND V_{CC} Channel A Channel B Channel I H1 H2 H3 Do not connect </p> <p>Compatible connector: Molex 52745-1297, Tyco 1-1734839-2 Adapter: 498157 Please note: max. continuous current 0.5 A</p>	