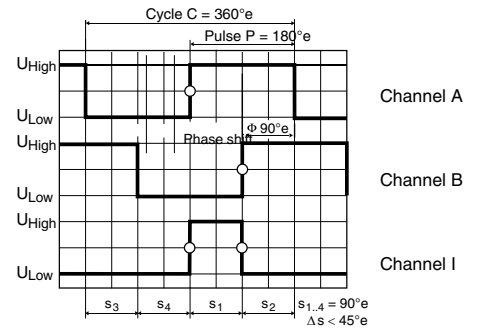


# Encoder 6-8 MAG 64-256 CPT, 3 Channels



Direction of rotation cw (definition cw p. 150)

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

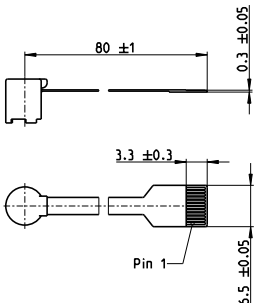
Part Numbers		
502804	502805	502806

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



maxon Modular System						
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see Gearhead
EC 6, 1.5 W	236					23.4    23.4    23.4
EC 6, 1.5 W	236	GP 6, 0.002 - 0.03 Nm	311			•    •    •
EC 6, 1.5 W	236	GP 6 S	361-362			•    •    •
EC 6, 2.0 W	237					23.4    23.4    23.4
EC 6, 2.0 W	237	GP 6, 0.002 - 0.03 Nm	311			•    •    •
EC 6, 2.0 W	237	GP 6 S	361-362			•    •    •

Technical Data	
Supply voltage $V_{CC}$	3 - 3.6 V
Output signal $V_{CC} = 3.3$ VDC	TTL compatible
Phase shift $\Phi$	$90^\circ \pm 45^\circ e$
Index pulse width	$90^\circ \pm 45^\circ e$
Operating temperature range	$-40 \dots +125^\circ C$
Moment of inertia of code wheel	$\leq 0.001$ gcm <sup>2</sup>
Output current per channel	$\leq 4$ mA

Pin Allocation																																					
	<table border="0"> <tr> <td>1</td><td>Motor +</td><td>W1</td></tr> <tr> <td>2</td><td>Motor -</td><td>W2</td></tr> <tr> <td>3</td><td>NC</td><td>W3</td></tr> <tr> <td>4</td><td>GND</td><td>GND</td></tr> <tr> <td>5</td><td><math>V_{CC}</math></td><td><math>V_{CC}</math></td></tr> <tr> <td>6</td><td>Channel A</td><td>Channel A</td></tr> <tr> <td>7</td><td>Channel B</td><td>Channel B</td></tr> <tr> <td>8</td><td>Channel I</td><td>Channel I</td></tr> <tr> <td>9</td><td>NC</td><td>H1</td></tr> <tr> <td>10</td><td>NC</td><td>H2</td></tr> <tr> <td>11</td><td>NC</td><td>H3</td></tr> <tr> <td>12</td><td>NC</td><td>NC</td></tr> </table>	1	Motor +	W1	2	Motor -	W2	3	NC	W3	4	GND	GND	5	$V_{CC}$	$V_{CC}$	6	Channel A	Channel A	7	Channel B	Channel B	8	Channel I	Channel I	9	NC	H1	10	NC	H2	11	NC	H3	12	NC	NC
1	Motor +	W1																																			
2	Motor -	W2																																			
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9	NC	H1																																			
10	NC	H2																																			
11	NC	H3																																			
12	NC	NC																																			

Compatible connector: Molex 52745-0697, Tyco 1-1734839-4  
Adapter: 498157

