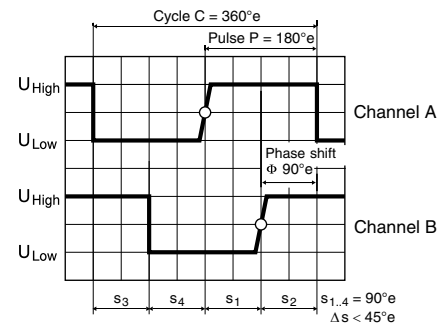
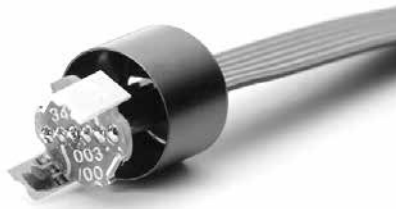
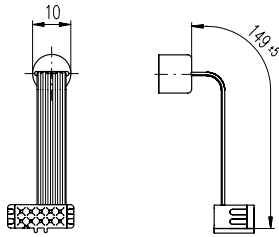


# Encoder MEnc 10 12 CPT, 2 Channels



Direction of rotation cw (definition cw p. 60)

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

## Part Numbers

138061

## Type

Counts per turn <sup>1</sup>	12
Number of channels	2
Max. operating frequency (kHz)	20
Max. speed (rpm)	100 000



## maxon Modular System

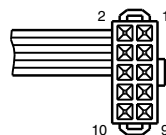
+ Motor	Page	+ Gearhead	Page	Overall length [mm] / ● see Gearhead
RE 10, 0.75 W	101			25.1
RE 10, 0.75 W	101	GP 10, 0.005 - 0.1 Nm	319	●
RE 10, 0.75 W	101	GP 10, 0.01 - 0.15 Nm	320	●
RE 10, 1.5 W	103			32.7
RE 10, 1.5 W	103	GP 10, 0.005 - 0.1 Nm	319	●
RE 10, 1.5 W	103	GP 10, 0.01 - 0.15 Nm	320	●

## Technical Data

Supply voltage $V_{CC}$	3.8 - 24 V
Typical current draw	6 mA
Output signal $V_{CC} = 5$ VDC	TTL compatible
Phase shift $\Phi$	$90^\circ e \pm 45^\circ e$
Power input at $V_{CC} = 5$ VDC	max. 8 mA
Inertia of the magnetic disc	0.03 gcm <sup>2</sup>
Operating temperature range	-20...+80 °C
Open collector output with integrated pull-up resistance	10 kΩ $\pm$ 20%

<sup>1</sup> maxon controllers require a resolution of at least 16 pulses.

## Pin Allocation



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

Pin type DIN 41651/  
EN 60603-13  
(Type 3M 89110-0101 HA)  
flat band cable AWG 28

## Connection example

