

## maxon special program



## Article Numbers

**Motor Data** (provisional)

## Specifications

### Mechanical data (preloaded ball bearings)

## Operating Range



**Continuous operation**  
In observation of above listed thermal resistance (lines 17 and 18) the maximum permissible winding temperature will be reached during continuous operation at 25°C ambient.  
= Thermal limit.

**Short term operation**  
The motor may be briefly overloaded (recurring).

Assigned power rating

Overview on page 16 - 21

Counts per turn	2048
Number of channels	3
Max. operating frequency (kHz)	200
Supply voltage	5 V $\pm$ 5 %
Output signal	RS 422
Phase shift $\Phi$ (nominal)	90°e
Logic state width s	min. 45°e
Index pulse width (nominal)	90° $\pm$ 45°
Operating temperature range	-10...+100°C
Moment of inertia	$\leq 3.11 \text{ gcm}^2$

### Recommended Electronics:

ESCON 50/5	Seite 292
DECS 50/5	297
DEC 50/5	299
DEC Module 50/5	299
DEC 70/10	305
DES 50/5	306
DES 70/10	306
EPOS2 70/10	313
<b>Notes</b>	<b>20</b>

Values listed in the table are nominal.

Cable 1	Motor winding 1
Cable 2	Motor winding 2
Cable 3	Motor winding 3

Temperature monitoring, PTC resistance  
 $R_{20^{\circ}\text{C}} < 0.3 \text{ k}\Omega$   
 $R_{130^{\circ}\text{C}} = 7.0 \dots 35 \text{ k}\Omega$