

## Ventilated

## EC flat



## Part Numbers

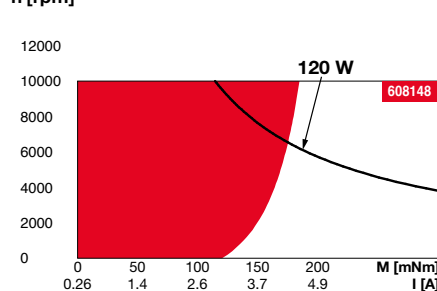
608148	608149	608150	608151
608152	608153	608154	608155

## Specifications

### Operating Range

## Comments

### Thermal data

n [rpm]

**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

## maxon Modular System

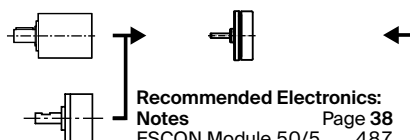
## Details on catalog page 38

## Planetary Gearhead

Ø42 mm  
 3 - 15 Nm  
 Page 398

**Spur Gearhead**

Ø45 mm  
0.5 - 2.0 Nm  
Page 400



**Recommended Electronics:**

Notes	Page
ESCON Module 50/5	487
ESCON Module 50/8 (HE)	488
ESCON 50/5	489
ESCON 70/10	489
DEC Module 50/5	491
EPOS4 Mod./Comp. 50/5	496
EPOS4 Mod./Comp. 50/8	497
EPOS4 50/5	501
EPOS2 P 24/5	504

Encoder MILE  
256 - 2048 CPT,  
2 channels  
Page 446

Values listed in the table are nominal.

### Connection V1

Pin 1	Hall sensor 1*	Hall sensor 1*
Pin 2	Hall sensor 2*	Hall sensor 2*
Pin 3	$V_{Hall}$ 3.5...24 VDC	Hall sensor 3*
Pin 4	Motor winding 3	GND
Pin 5	Hall sensor 3*	$V_{Hall}$ 3.5...24 VDC
Pin 6	GND	N.C.
Pin 7	Motor winding 1	
Pin 8	Motor winding 2	

Pin 8	Motor winding 2	<b>V2 (motor, AWG 22)</b>
Pin 1		Motor winding 1
Pin 2		Motor winding 2
Pin 3		Motor winding 3
Pin 4		N.C.

\*Internal pull-up (7 ... 13 kΩ) on V<sub>Hall</sub>

Wiring diagram for Hall sensors see p. 49

Connector	Part number	Part number
Molex	39-28-1083	43025-0600
Molex		39-01-2040

<b>Connection cable for V1</b> Universal, L = 500 mm to EPOS, L = 500 mm	39-01-2040  <b>339380</b> <b>354045</b>
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V2 Ambient temperature -20 ... +100°C

<sup>1</sup>Calculation does not include saturation effect (p. 61/168)