

isel® EC-Servo motor 60 (brushless) 156W
isel® EC-Servo motor 60 (brushless) 156W, with brake
isel® EC-Servo motor 60 (brushless) 235W, 48V
isel® EC-Servo motor 60 (brushless) 235W, 48V, with brake
isel® EC-Servo motor 60 (brushless) 235W, 310V
isel® EC-Servo motor 60 (brushless) 235W, 310V, with brake

Item.-No. **474156 0048**
 Item.-No. **474156 1048**
 Item.-No. **474235 0048**
 Item.-No. **474235 1048**
 Item.-No. **474235 0310**
 Item.-No. **474235 0310**

Characteristics

- electronically commutated 3-phase servo motor
- brushless drive
- high power output in a compact design
- incremental measuring system
- Hall sensors
- Applications: positioning, speed control
- connection via circular connection
- brake: 24VCD
- encoder: 1000 Inc/rotation, RS 422, power: +5VCD

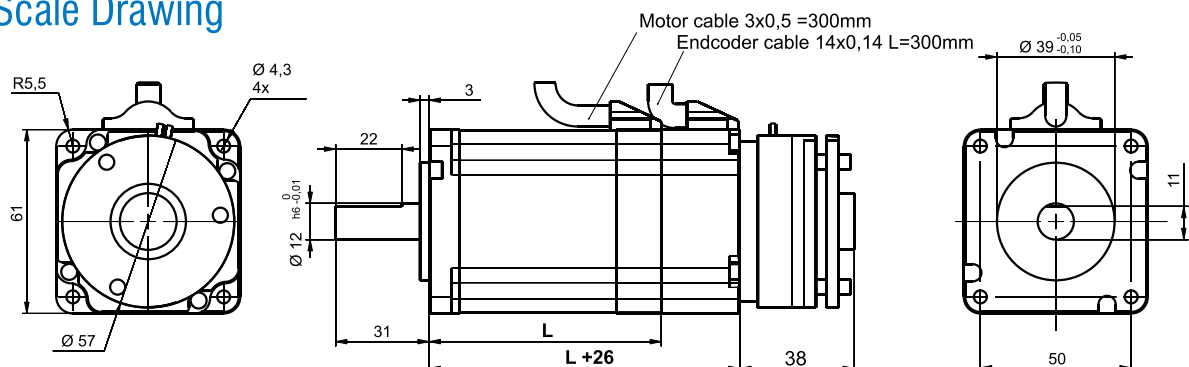


EC-servo motor EC 60

Technical Data

Part-no.	Rated output [W]	Rated voltage [V DC]	Current [A]	Number of poles	Rated speed [rpm.]	Torque at rated speed [Nm]	Peak torque [Nm]	Length L [mm]	Weight [kg]
474156 0048	156	48	6.9	8	3,000	0.5	1.75	73	1.25
474156 1048	156	48	6.9	8	3,000	0.5	1.75	73 + Brake	2.0
474235 0048	235	48	10.5	8	3,000	0.75	2.25	94	1.6
474235 1048	235	48	10.5	8	3,000	0.75	2.25	94 + Brake	2.35
474235 0310	235	310	1.6	8	3,000	0.75	2.25	94	1.6
474235 1310	235	310	1.6	8	3,000	0.75	2.25	94 + Brake	2.35

Scale Drawing



Connections

Encoder cable

Pin	Signal	Colour
1	Shield	Shield
2	Gnd	black
3	Vcc + 5V	red
4	Encoder B	grey
5	Encoder /B	grey / black
6	Encoder A	brown
7	Encoder /A	brown / black
8	Encoder Z	orange
9	Encoder /Z	orange / black
10	Hall A	yellow
11	Hall B	white
12	Hall C	green

Motor cable

Signal	Colour
Motor U	yellow
Motor V	blue
Motor W	green
PE	green / yellow

Encoder cable plug connector:
 12-pole female connector strip, type JST PHR-12

Technical specifications subject to change.

English

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