ELIKO TECHNOLOGY

FLEXILINE

BLDC SERIES

FLXBL60-300-ELC-M

Compact design - simple integration - high power density



Integrated BLDC Servo Motor
with CANopen Interface

CANopen

Key Benefits

Compactness

60 mm square flange, 112,3 mm length and embedded electronics reduce cabinet space, wiring effort and integration volume.

Power density

353 W rated power and 1.95 Nm peak torque in a compact FlexiLine package.

Ease of use

CANopen communication, USB configuration, configurable I/O and integrated protections simplify commissioning.

Technical Data

Item Name	UM	FLXBL60-300-ELC-N-M	FLXBL60-300-ELC-B-M
Rated Voltage	V	48	48
Rated Power	W	353	353
Rated Speed	RPM	5200	5200
Rated Current	A	9,2	9,2
Peak Current	A	27,6	27,6
Rated Torque	Nm	0,65	0,65
Peak Torque	Nm	1,95	1,95
Torque constant	Nm/A	0,07	0,07
Voltage constant	V/krpm	4,2	4,2
Resistance line-line	Ω	0.29	0,29
Inductance line-line	mH	0,35	0,35
Number of poles	-	10	10
Rotor moment of inertia	$kg.cm^2$	0,39	0,39
Flange	mm	60	60
Overall length	mm	112,3	140,3
Motor weight	g	830	1200

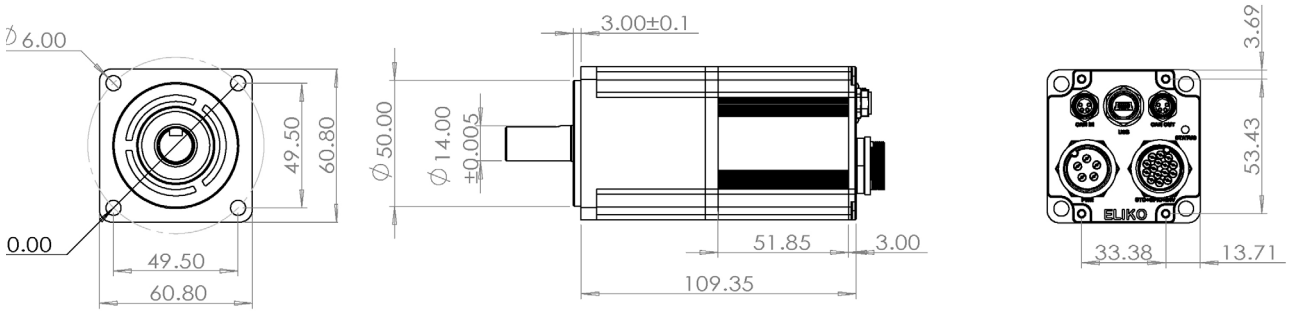
Integrated Controller & Interface

Item Name	UM	FLXBL60-300-ELC-N-M	FLXBL60-300-ELC-B-M
Main supply range	VDC	12-75	
Nominal supply	VDC	48	
Communication	-	CANopen, USB configuration	
CANopen network	-	Up to 127 stations	
Digital inputs	-	3 opto-isolated, configurable	
High-speed capture	µs	5 minimum pulse width in latch/capture mode	
Digital outputs	-	2 opto-isolated outputs	
Output supply / current	-	12-30 VDC, up to 30 mA	
Analog input	-	1 differential, ±10 V	
Analog resolution	bit	12	
STO input	VDC	12-28.8, nominal 24	
Protection functions	-	Short-circuit, over-current, over/under-voltage	
Operating temperature	°C	-10 to +40	
Humidity	%	<85, non-condensing	

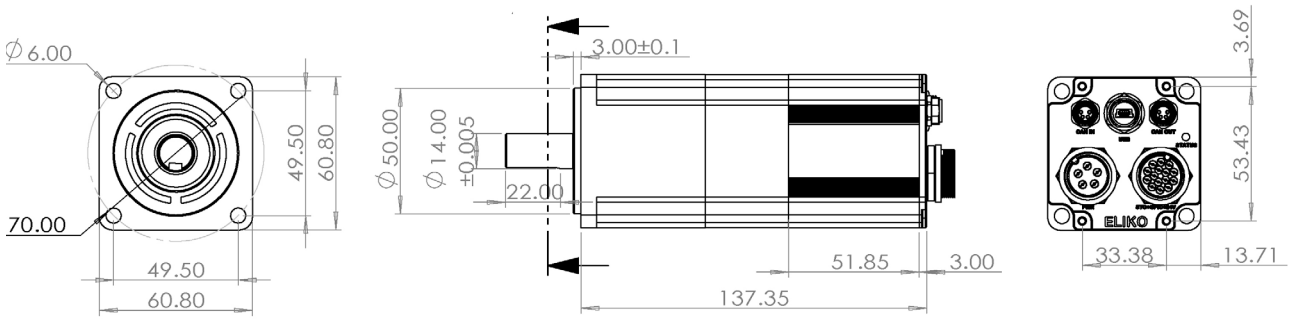
Data tolerances: ±10%. Subject to change without prior notice.

Drawing

FLXBL60-300-ELC-N-M



FLXBL60-300-ELC-B-M



Dimensions in mm

Curves

