

FLXBL57-200-ELC-N-M

Compact design - simple integration - high power density

Integrated BLDC Servo Motor
with CANopen Interface



CANopen®

Key Benefits

Compactness

57 mm square flange, 59,7 mm length and embedded electronics reduce cabinet space, wiring effort and integration volume.

Power density

200 W rated power and 0,84 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

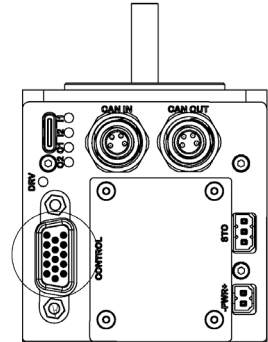
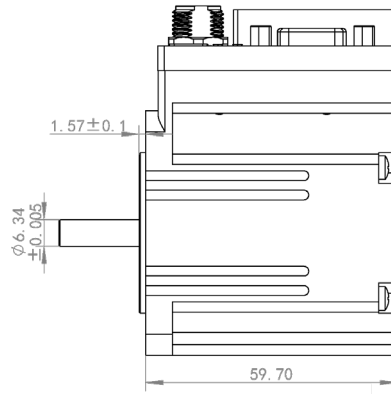
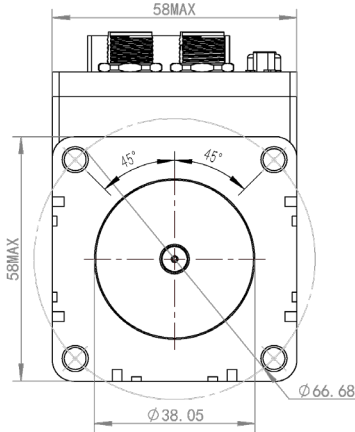
Item Name	UM	FLXBL57-200-ELC-N-M
Rated Voltage	V	48
Rated Power	W	200
Rated Speed	RPM	3500
Rated Current	A	5,23
Peak Current	A	7,6
Rated Torque	Nm	0,52
Peak Torque	Nm	0,84
Torque constant	Nm/A	0,103
Voltage constant	V/krpm	9,41
Resistance line-line	Ω	0,935
Inductance line-line	mH	1,312
Number of poles	-	14
Rotor moment of inertia	kg.cm ²	0,134
Flange	mm	57
Overall length	mm	59,7
Motor weight	g	597,5

Integrated Controller & Interface

Item Name	UM	FLXBL57-200-ELC-N-M
Main supply range	VDC	12-75
Nominal supply	VDC	48
Communication	-	CANopen, USB configuration
CANopen network	-	Up to 127 stations
Digital inputs	-	6 opto-isolated, configurable
High-speed capture	μs	5 minimum pulse width in latch/capture mode
Digital outputs	-	4 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

Drawing

FLXBL57-200-ELC-N-M



Dimensions in mm

Curves

Torque-Velocity

