

FLXBL57-200-ELC/ELE-N

Compact design - simple integration - high power density

Integrated BLDC Servo Motor
with CANopen or EtherCAT Interface



CANopen

EtherCAT

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

Technical Data

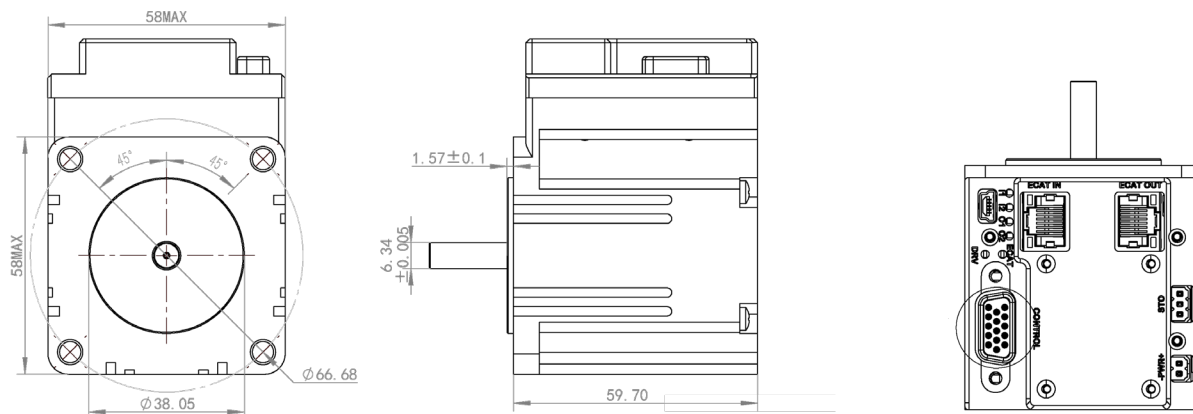
Item Name	UM	FLXBL57-200-ELC-N	FLXBL57-200-ELE-N
Rated Voltage	V	48	48
Rated Power	W	200	200
Rated Speed	RPM	3500	3500
Rated Current	A	5,23	5,23
Peak Current	A	7,6	7,6
Rated Torque	Nm	0,52	0,52
Peak Torque	Nm	0,84	0,84
Torque constant	Nm/A	0,103	0,103
Voltage constant	V/krpm	9,41	9,41
Resistance line-line	Ω	0,935	0,935
Inductance line-line	mH	1,312	1,312
Number of poles	-	14	14
Rotor moment of inertia	kg.cm ²	0,134	0,134
Flange	mm	57	57
Overall length	mm	59,7	59,7
Motor weight	g	580	582

Integrated Controller & Interface

Item Name	UM	FLXBL57-200-ELC-N	FLXBL57-200-ELE-N
Main supply range	VDC	12-75	
Nominal supply	VDC	48	
Communication	-	CANopen or EtherCAT, 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/ELE-N



Dimensions in mm

Curves

