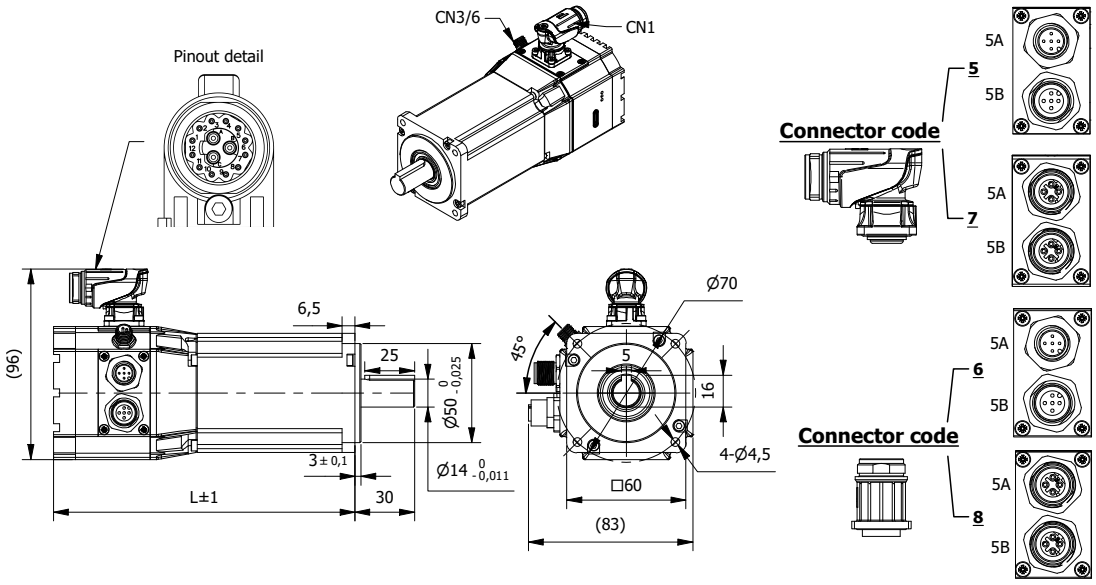
Brushless DC Servo motor IVID60 - Code 5, 6, 7 & 8

with Motion Controller - IP65

□ 60mm

0,64 - 1,27Nm



with Safe Torque Off function

CN1 connector orientation: 0° standard; 90°, 180° and 270° available on request.

Specification						
	Model		...0200N	...0200B	...0400N	...0400B
1	n° of Pole		10	10	10	10
2	Rated Voltage	VDC	48	48	48	48
3	Operating Voltage	VDC	24-48	24-48	24-48	24-48
4	Rated Power	W	200	200	400	400
5	Rated Speed	rpm	3000	3000	3000	3000
6	Torque - Rated/Peak	Nm	0,64/1,92	0,64/1,92	1,27/3,81	1,27/3,81
7	Torque Constant	Nm/A	0,107	0,107	0,107	0,107
	Current - Rated/Peak	A	6/18	6/18	12/36	12/36
8	No-Load Current	A	0,6	0,6	<1	<1
9	Back EMF constant	V/kRPM	6,5	6,5	6,5	6,5
10	Rotor Inertia	Kgcm2	0,15	0,15	0,25	0,25
	Brake			24VDC - 1,5Nm		24VDC - 1,5Nm
11	Length (L)	mm	125	161	146	182
12	Weight	Kg	1,27	1,67	1,67	2,17

Characteristics	
Item	
Shaft run out	0,02mm
Insulation Class	F 155°C
Protection Class	IP65
Working Temperature	+5°C to +40°C
Humidity	5% to 85% not condensing
Radial play (450g load)	0,02mm
Axial play (450g load)	0,14mm
Max. Radial force (at mid-shaft)	245N
Max. Axial force	98N
Dielectric strength (for 1 min.)	600 VAC
Insulation Resistance (min. 500 VDC)	100 Mohm
Operating mode	Position, Speed, Torque
Protective functions	Over/Under voltage, Over current, Overheating, Short circuit
Safety feature	Safe Torque Off (STO) SIL3/PLe
Debug & configuration	Serial interface
Software	Setup & config. - DL Studio Programming - DL Space
Note: Service SCI Interface cable is required for programming and available on request	

Product code reference	
IVID 60 0200 N E 1 000 M S200	
60	Frame size
0200	Rated Power
N	Brake options (N= no brake)
E	Encoder type
1	Connector code
000	Other options
M	Fieldbus
S200	Protocol reference

Encoders	
Type	Code
Magnetic Incremental 2500 CPR	E
Magnetic Absolute Multiturn (BiSS): 17bit, 16bit	A

Other options	
Item	Code
Standard	000

Connection			
Connector	Type	Function	Code
CN1	M16 Hummel 12+3 (90°)	Power & Logic + STO	5-7
CN1	M16 Hummel 12+3 (Straight)	Power & Logic + STO	6-8
CN6	M8 4P A-Code Male	Serial Input	
CN5A/B	M12 5P A-Code Male, Female	Fieldbus (M-C)	5-6
CN5A/B	M12 4P D-Code Female	Fieldbus (T-E-P-R-H)	7-8
Cable kit available on request. More information can be found in the product manual on our website.			

Input and Output		
Input	Digital inputs	3 not isolated 5-24 Vdc PNP
	Analog inputs	1 not isolated | 0-10 Vdc
Output	Digital outputs	3 not isolated 24 Vdc PNP

Interface Control Mode	
Fieldbus	Code
RS485 Modbus-RTU (programmable)	M-S200
CANopen (programmable)	C-S200
CANopen (DS402)	C-S402
Ethernet Modbus TCP (programmable)	T-S200
Ethercat (DS402)	E-S402
Profinet (programmable)	P-S200
Powerlink (DS402)	R-S402
Ethernet IP (programmable)	H-S200