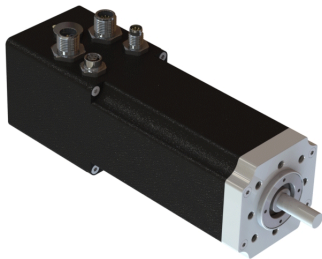


Brushless Motor
IDX56L



The advantages :
Brushless motor with integrated control electronics - Integrated 12 bit absolute encoder - IP 65 - CANopen control
Optional brake
Cables sold separately

Associated products :

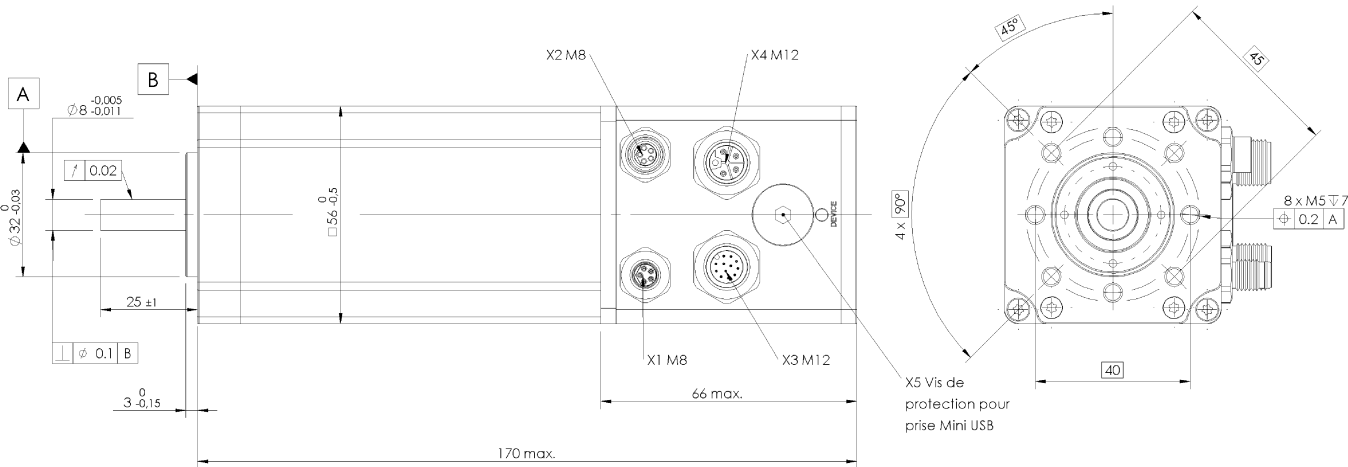
- > Connector
- CABLE CAN M12/M8 IDX
- CABLE CAN/CAN IDX
- CABLE CANopen IDX
- CABLE I/O IDX
- CABLE POWER IDX
- CONNECTOR CANopen

maxon motor

286 W - 408 W

Power supply voltage (Ua)	V	48
Speed at current In	tr/mn	3500
Torque at current In	mNm	779
Maximum permanent current In	mA	9318
Ua no-load speed +/- 10%	tr/mn	4915
No-load current +/- 50%	mA	673
Ua stall current	mA	24000
Ua stall torque	mNm	1997
Torque constant	mNm/A	83.6
Speed constant	tr/mn/V	114
Speed/torque gradient	tr/mn/mN	0.174
Limit speed	tr/mn	5000
Maximum Ua operating power	W	257
Inertia	gcm²	265
Ambient/Housing thermal	K/W	2.01
Coil/Housing thermal resistance	K/W	0.762
Coil thermal time constant	s	43.2
Housing thermal time constant	s	1450
Test voltage	V	48
Nominal operating power output	W	286
Max permanent operating power	W	408

Commutation	brushless
Number of phases	3
Bearings	ball bearings
Maximum axial load (dynamic)	12 N
Maximum radial load	110 N
at a distance from the face of:	12.5 mm
Minimum ambient operating temperature	-20 °C
Maximum ambient operating temperature	+85 °C
Weight	1445 g
Type of sealing	IP65



Edition: Juli 2022 / subject to modification

Version of 06/07/2022

