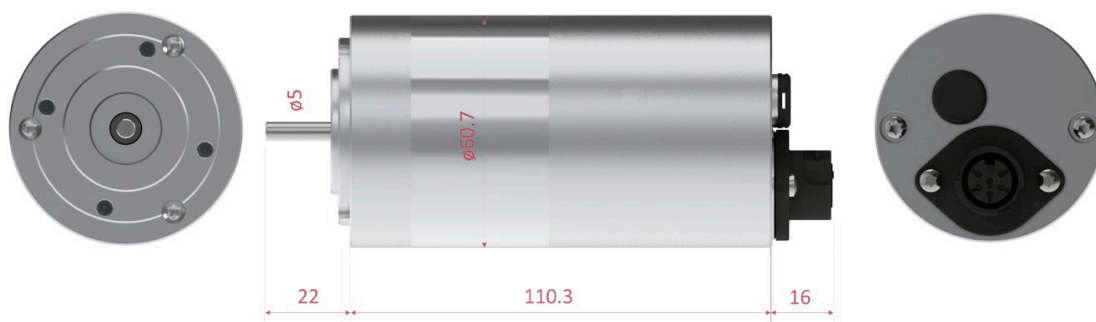
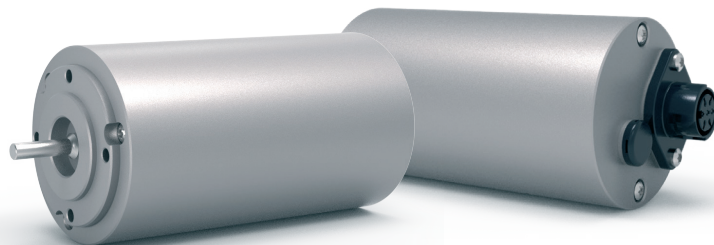
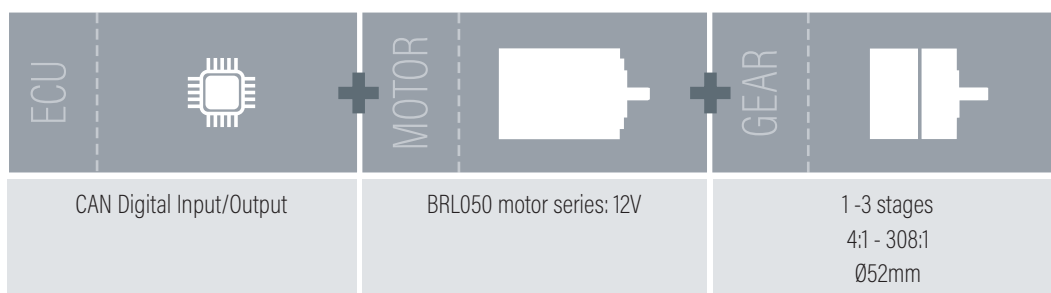


BRL050 motor series

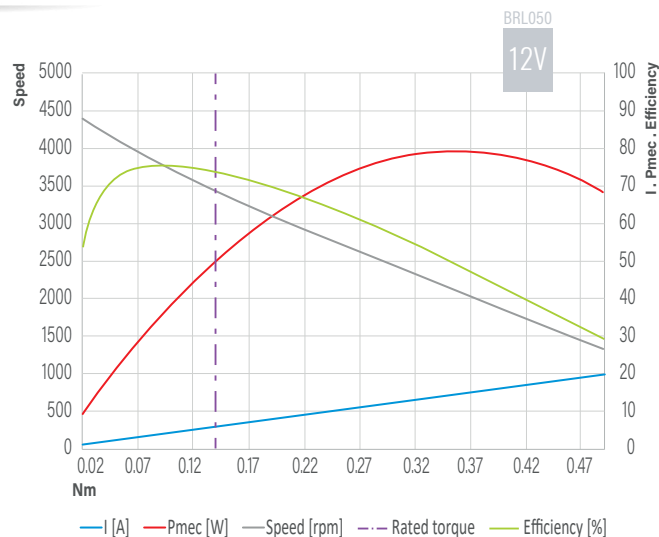
Highly MODULAR and compact brushless motor series
Integrated Electronics: CAN Digital Input/Output
Developed for 12V DC applications
Designed to CUSTOMIZE and meet your needs



MODULAR SYSTEM



CURVES *



* Room temperature = 25°C

MAIN MOTOR FEATURES

	UNIT	VALUE 12V
Rated Voltage	VDC	12
BEMF constant	Vrms/kRPM	2.1
Torque constant	Nm/A	0.028
Nominal Torque	Nm	0.14
Nominal Speed	rpm	3400
Nominal DC Current	A	5.5
Efficiency nominal point	%	>75
Nominal Output power	W	50
Maximum Torque	Nm	0.49
Max. DC Current	A	20
No load speed	rpm	4600
Voltage range	VDC	9 - 16
Weigth	Kg	0.8

Motor control	Integrated control unit (FOC)
Motor comunication	CAN Open (Digital Inputs/Digital Outputs/CAN1939/ LIN/PWM/Analog inputs/Modbus 485 can be developed)
Insulation class	Class F (155°C)
Operating temperature range	Full performance -40°C<Tamb<+55°C Derrated performance +55°C<Tamb<80°C
Storage temperature range	-40°C<Tamb<+85°C
IP	IP65
Vibration resistance	Sinusoidal vibration test: IEC 60068 Random vibration test: IEC 60068 Temperature change test IEC 60068 Shock test: IEC 60068
Cooling test	Test Ad at 2.5Nm/-40°C according IEC 60069
Dry/heat Test	Test Bd at 2.5Nm/+70°C according IEC 60068
Damp heat test	Test Db according to IEC 60068
Salt mist test	IEC 60068 Severity 2
RoHS	Compliant according 2011/65/UE
EMC	EN ISO 14982:2009

