



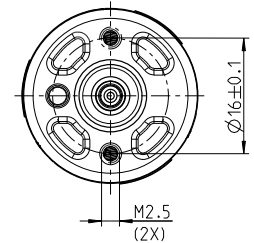
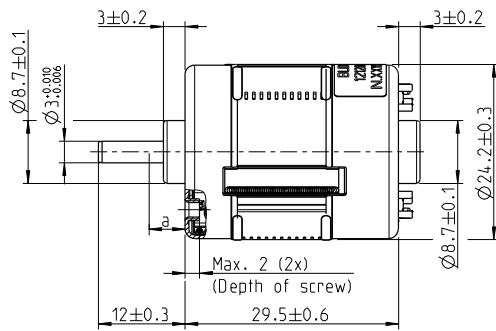
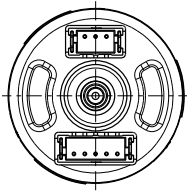
BLDC 24P16A

9.1.040D

Brushless 3 – Phase DC Motor

Rated Voltage [V]	No Load Speed [rpm]	Rated Speed [rpm]	Cont. Power [W]	Rated Torque [mNm]	Current at rated Speed [A]	Efficiency at Duty Point [%]
3	7.600	4.600	8	17	5,4	57
6	16.000	13.300	19	14	4,8	72

Motor Code: 121088800082



General informations

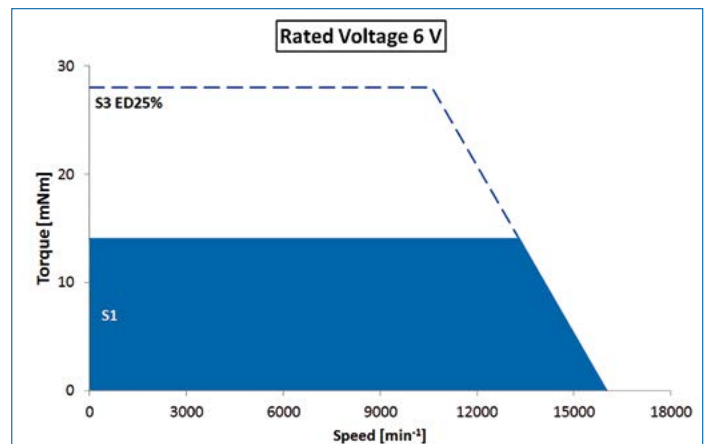
- Class of protection: IP20
- Mounting position: free
- Duty cycle: up to 100 %
- Bearing system: Ball Bearings
- Torque Constant: 3,2 mNm/A
- Weight: 0,05 kg
- Rotor Inertia: 2,3 gcm²
- Oper. Temp. Range: -20 °C to +45 °C
- Max. Temp. Rise: 70 K
- Direction of Rotation: CW / CCW
- Class of Insulation: H
- Shaft Material: Steel, not hardened
- Number of Poles: 6

Features

- High power-to-volume ratio
- High efficiency at duty point
- High reliability

Options

- Integrated Drive Electro.: No
- Planetary Gearbox: Yes
- Sensorless Operation: Yes
- Shaft hardened (Surface): Yes





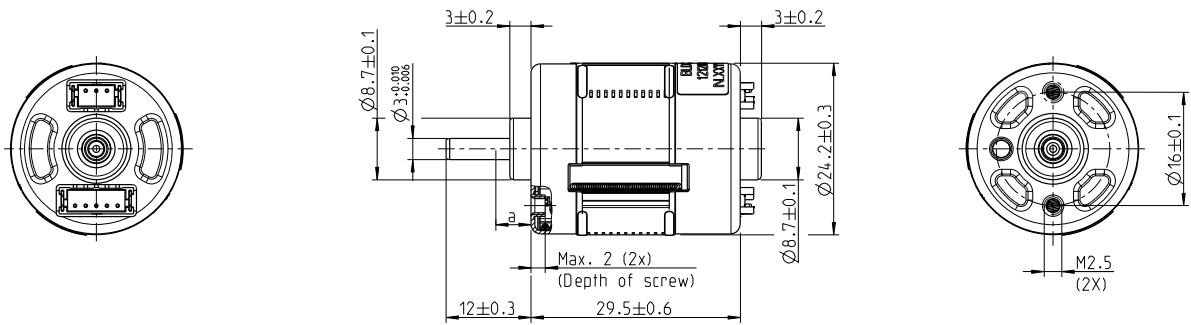
BLDC 24P16A

80.1.017D

Brushless 3 – Phase DC Motor

Rated Voltage [V]	No Load Speed [rpm]	Rated Speed [rpm]	Cont. Power [W]	Rated Torque [mNm]	Current at rated Speed [A]	Efficiency at Duty Point [%]
12	3.900	2.090	4	19	0,7	48
24	7.800	6.040	12	19	0,75	68

Motor Code: 120988800051



General informations

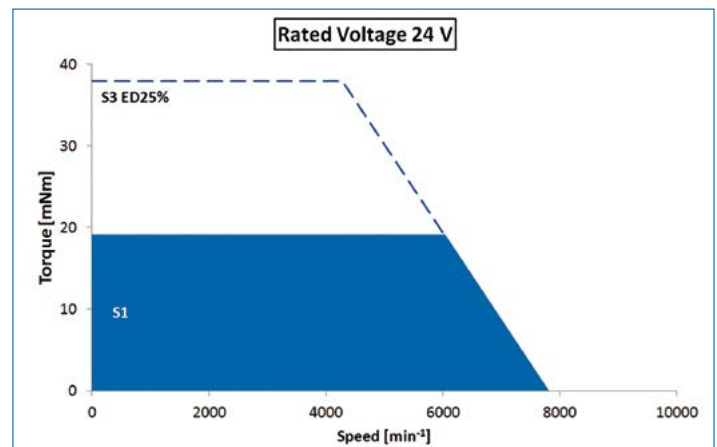
- Class of protection: IP20
- Mounting position: free
- Duty cycle: up to 100 %
- Bearing system: Ball Bearings
- Torque Constant: 27,3 mNm/A
- Weight: 0,055 kg
- Rotor Inertia: 2,7 gcm²
- Oper. Temp. Range: -20 °C to +45 °C
- Max. Temp. Rise: 70 K
- Direction of Rotation: CW / CCW
- Class of Insulation: H
- Shaft Material: Steel, not hardened
- Number of Poles: 6

Features

- High power-to-volume ratio
- High efficiency at duty point
- High reliability

Options

- Integrated Drive Electro.: No
- Planetary Gearbox: Yes
- Sensorless Operation: Yes
- Shaft hardened (Surface): Yes





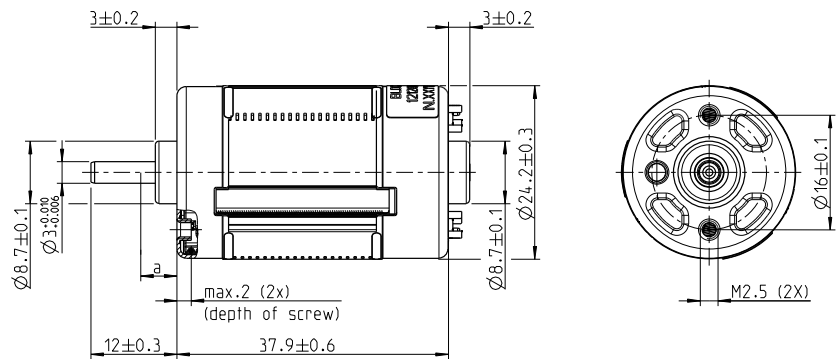
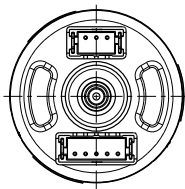
BLDC 24P24A

24.1.0315D

Brushless 3 – Phase DC Motor

Rated Voltage [V]	No Load Speed [rpm]	Rated Speed [rpm]	Cont. Power [W]	Rated Torque [mNm]	Current at rated Speed [A]	Efficiency at Duty Point [%]
12	8.335	7.020	19.5	26	1,9	75

Motor Code: 121088800066



General informations

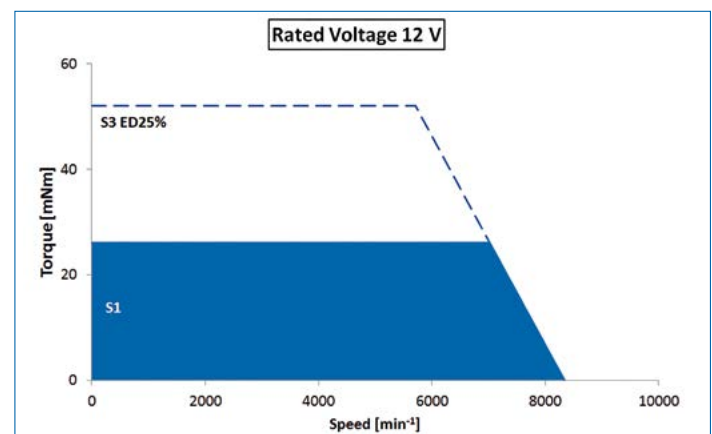
- Class of protection: IP20
- Mounting position: free
- Duty cycle: up to 100 %
- Bearing system: Ball Bearings
- Torque Constant: 12,9 mNm/A
- Weight: 0,08 kg
- Rotor Inertia: 3,9 gcm²
- Oper. Temp. Range: -20 °C to +45 °C
- Max. Temp. Rise: 70 K
- Direction of Rotation: CW / CCW
- Class of Insulation: H
- Shaft Material: Steel, not hardened
- Number of Poles: 6

Features

- High power-to-volume ratio
- High efficiency at duty point
- High reliability

Options

- Integrated Drive Electro.: No
- Planetary Gearbox: Yes
- Sensorless Operation: Yes
- Shaft hardened (Surface): Yes





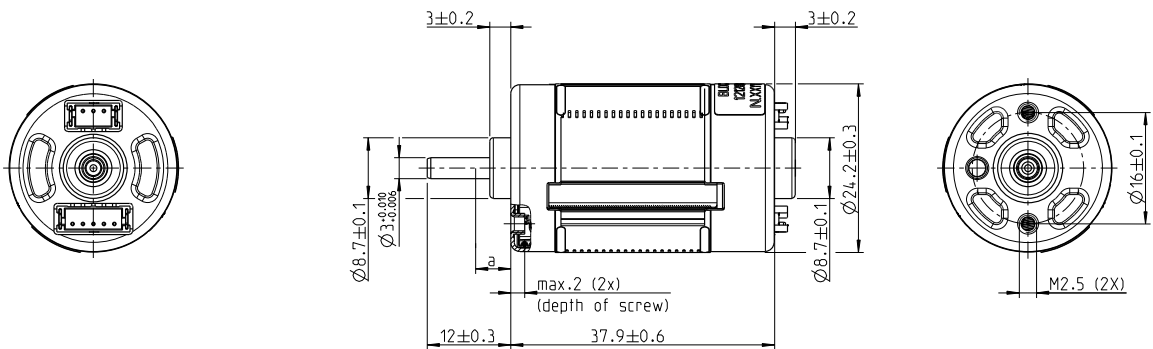
BLDC 24P24A

48.1.0224D

Brushless 3 – Phase DC Motor

Rated Voltage [V]	No Load Speed [rpm]	Rated Speed [rpm]	Cont. Power [W]	Rated Torque [mNm]	Current at rated Speed [A]	Efficiency at Duty Point [%]
12	4.190	2.830	8	28	1,0	60
24	8.430	7.240	20	26	1,0	75

Motor Code: 120901200084



General informations

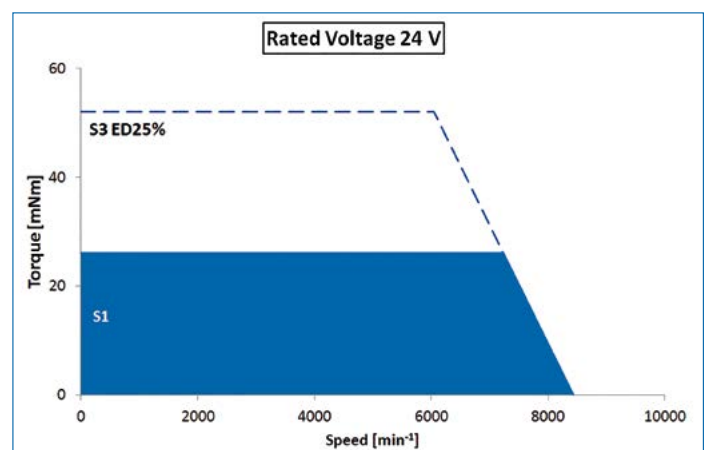
- Class of protection: IP20
- Mounting position: free
- Duty cycle: up to 100 %
- Bearing system: Ball Bearings
- Torque Constant: 26,6 mNm/A
- Weight: 0,08 kg
- Rotor Inertia: 3,9 gcm²
- Oper. Temp. Range: -20 °C to +45 °C
- Max. Temp. Rise: 70 K
- Direction of Rotation: CW / CCW
- Class of Insulation: H
- Shaft Material: Steel, not hardened
- Number of Poles: 6

Features

- High power-to-volume ratio
- High efficiency at duty point
- High reliability

Options

- Integrated Drive Electro.: No
- Planetary Gearbox: Yes
- Sensorless Operation: Yes
- Shaft hardened (Surface): Yes





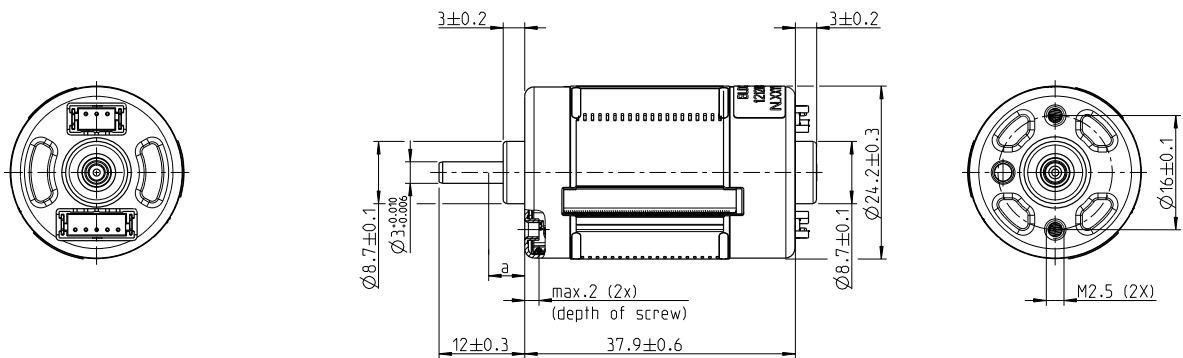
BLDC 24P24A

48.1.0224D

Brushless 3 – Phase DC Motor

Rated Voltage [V]	No Load Speed [rpm]	Rated Speed [rpm]	Cont. Power [W]	Rated Torque [mNm]	Current at rated Speed [A]	Efficiency at Duty Point [%]
12	4.345	2.640	7	25	0,95	56
24	8.725	6.870	17	24	0,9	73

Motor Code: 1209888000069



General informations

- Class of protection: IP20
- Mounting position: free
- Duty cycle: up to 100 %
- Bearing system: Ball Bearings
- Torque Constant: 24,3 mNm/A
- Weight: 0,08 kg
- Rotor Inertia: 3,9 gcm²
- Oper. Temp. Range: -20 °C to +45 °C
- Max. Temp. Rise: 70 K
- Direction of Rotation: CW / CCW
- Class of Insulation: H
- Shaft Material: Steel, not hardened
- Number of Poles: 12

Features

- High power-to-volume ratio
- High efficiency at duty point
- High reliability

Options

- Integrated Drive Electro.: No
- Planetary Gearbox: Yes
- Sensorless Operation: Yes
- Shaft hardened (Surface): Yes

