



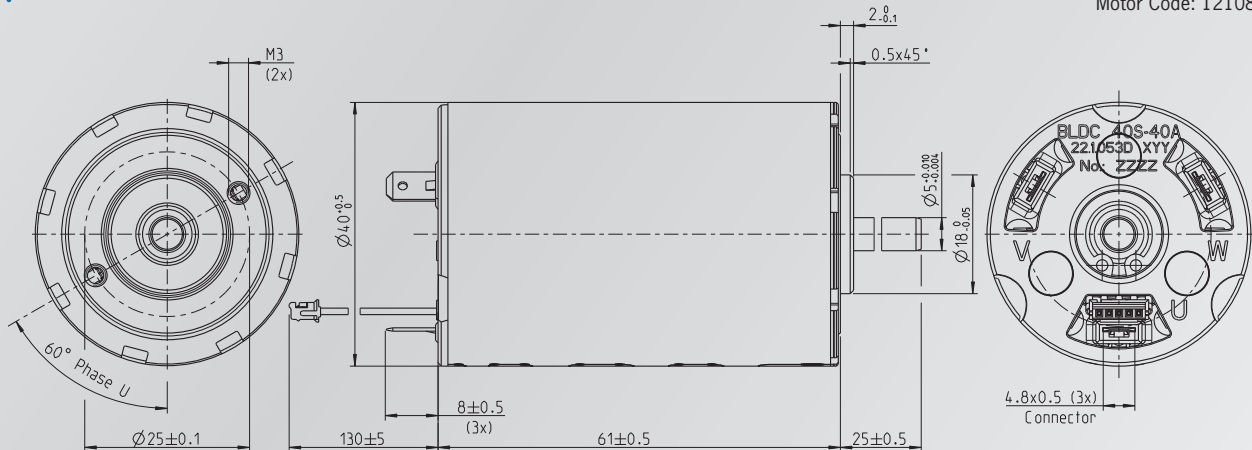
# BLDC 40S40A

22.1.053D

Brushless 3 – Phase DC Motor

Rated Voltage	No Load Speed	Rated Speed	Cont. Power	Rated Torque	Current at rated Speed	Efficiency at Duty Point
[ V ]	[ rpm ]	[ rpm ]	[ W ]	[ mNm ]	[ A ]	[ % ]
24	2.880	2.550	48	180	2,5	81

Motor Code: 121088800039



## General informations

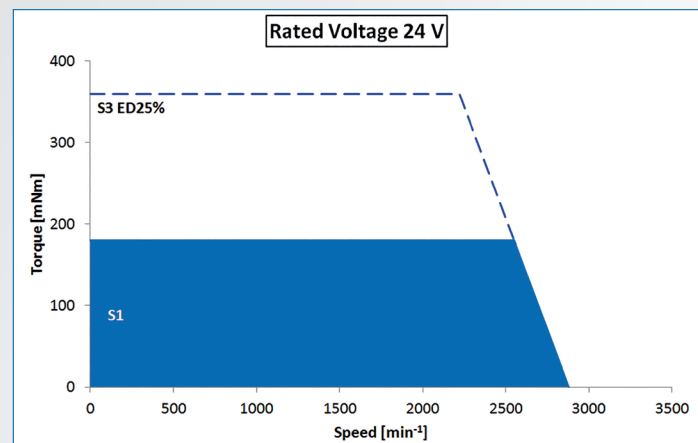
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 76 mNm/A
- **Weight:** 0,365 kg
- **Rotor Inertia:** 62 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 16

## Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

## Features

- High power-to-volume ratio
- High efficiency at duty point
- Extremely reliable



# PM DM

Minebea Group of Companies  
 Minebea-Weg 1  
 78052 Villingen-Schwenningen  
 GERMANY  
 www.pmdm.de  
 Phone: +49 (0)7721 997-100  
 E-Mail: sales@pmdm.de

**Minebea**  
 Passion to Exceed Precision