

- » With integrated 4Q servo controller and high-resolution encoder system
 - » Safe Torque Off
 - » PROFINET variant „PN“: PROFIdrive certified, application classes 1 and 4, IRT capable
 - » EtherCAT variant „EC“: CoE (CAN over EtherCAT), distributed clocks for real-time operation
 - » Ethernet/IP variant „EI“: Integration in ControlLogix Studio, CIP Synch on request
 - » Further information on page 18ff in this catalog as well as in the operating manual
- » Mit integriertem 4Q-Servocontroller und hochauflösendem Gebersystem
 - » Sichere Abschaltung Safe Torque Off
 - » PROFINET-Variante „PN“: PROFIdrive zertifiziert, Applikationsklassen 1 und 4, IRT fähig
 - » EtherCAT-Variante „EC“: CoE (CAN over EtherCAT), Distributed clocks für Echtzeit-Betrieb
 - » Ethernet/IP-Variante „EI“: Einbindung in ControlLogix Studio, CIP Synch auf Anfrage
 - » Weitere Informationen auf Seite 18ff in diesem Katalog sowie der Betriebsanleitung

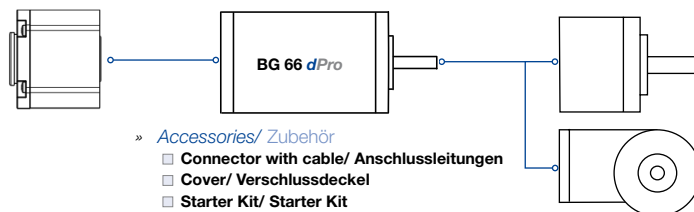
| | | | | | | | | | |
|----------------------------|----------------------------|---------------------------|----------------------|-----------------------|-----------------------------|-------------------------------|----------------------------|--------------------------------|-----------------|
| | | | | | | | | | |
| Profinet version available | IO mode | Speed mode | Current mode | Positioning | Digital inputs configurable | Analog inputs | Digital outputs | Feedback integrated | Brake output |
| | | | | | | | | | |
| Programmable | Service interface | Oscilloscope software | Condition monitoring | Digital label | Ballast circuit | Supply voltage versions 12-48 | High efficiency | Protection class (up to) IP 65 | Certification |
| | | | | | | | | | |
| Certification | Certification (>36 V only) | Sinusoidal vector control | Interpolation | SSI version available | Safe torque off version | S-Rampe | EtherCAT version available | EtherNet/IP version available | Operating hours |

| Data preliminary/ Technische Daten vorläufig | | BG 66x25 dPro PN/EC/EI | BG 66x50 dPro PN/EC/EI | BG 66x75 dPro PN/EC/EI |
|---|-----------------------|------------------------|------------------------|------------------------|
| Nominal voltage/ Nennspannung | VDC | 24 | 48 | 48 |
| Nominal current/ Nennstrom | A ¹⁾ | 7.6 | 3.8 | 5.2 |
| Nominal torque/ Nennmoment | Nm ¹⁾ | 0.37 | 0.37 | 0.56 |
| Nominal speed/ Nenndrehzahl | rpm ¹⁾ | 3800 | 3500 | 3350 |
| Maximum torque/ Maximales Moment | Nm ¹⁾ | 0.9 | 0.9 | 1.75 |
| No load speed/ Leerlaufdrehzahl | rpm ¹⁾ | 4600 | 4360 | 3760 |
| Nominal output power/ Dauerabgabeleistung | W ¹⁾ | 147 | 135 | 220 |
| Maximum output power/ Maximale Abgabeleistung | W | 269 | 277 | 485 |
| Torque constant/ Drehmomentkonstante | Nm A ^{-1**)} | 0.053 | 0.11 | 0.12 |
| Peak current/ Zulässiger Spitzenstrom | A ¹⁾ | 16.5 | 7.8 | 14 |
| Voltage range/ Zulässiger Spannungsbereich | VDC | 2...58 | 2...58 | 2...58 |
| Rotor inertia/ Rotor Trägheitsmoment | gcm ² | 70 | 70 | 129 |
| Weight of motor/ Motorgewicht | kg | 1.2 | 1.2 | 1.65 |

¹⁾ Δθ_w = 100 K; ²⁾ θ_R = 20°C ³⁾ at nominal point/ im Nennpunkt

Modular System/ Modulares Baukastensystem

- » Brakes & Encoder/ Bremsen & Geber
 - E 90
 - E 100
 - E 310
 - AE 38

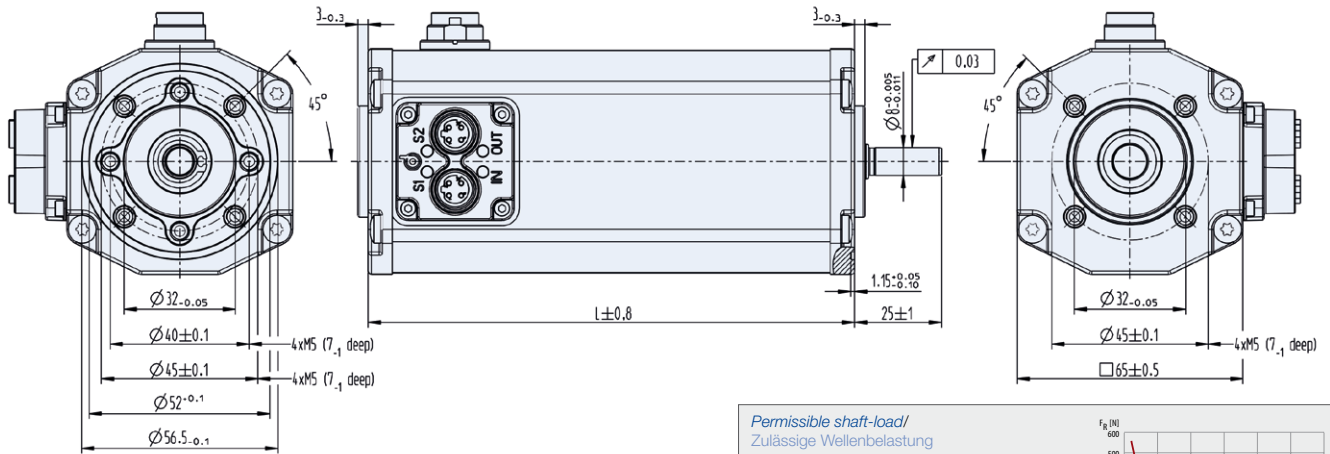


- » Accessories/ Zubehör
 - Connector with cable/ Anschlussleitungen
 - Cover/ Verschlussdeckel
 - Starter Kit/ Starter Kit

- » Planetary Gearboxes/ Planetengetriebe
 - PLG 60
 - PLG 63
 - PLG 75
 - PLG 80 LB
- » Angular Gearboxes/ Winkelgetriebe
 - SG 80
 - SG 120
 - STG 65

You can individually configure your suitable product and download technical data and drawings for the combination at www.dunkermotoren.com/en/configuration/
 Unter www.dunkermotoren.de/konfigurator können Sie Ihr passendes Produkt individuell konfigurieren und technische Daten und Zeichnung für die Kombination herunterladen.

Dimensions in mm/ Maßzeichnung in mm

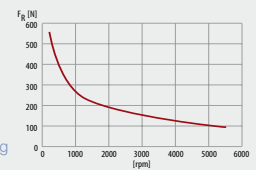


| Motor | L |
|----------|---------|
| BG 66x25 | 115±0.8 |
| BG 66x50 | 140±0.8 |
| BG 66x75 | 165±0.8 |

Permissible shaft-load/
Zulässige Wellenbelastung

Radial-/ axialloads on the end of the shaft
Radial-/ Axialkräfte am Wellenende
 $F_A = Fr/3$ für $L_{10} = 20.000$ h

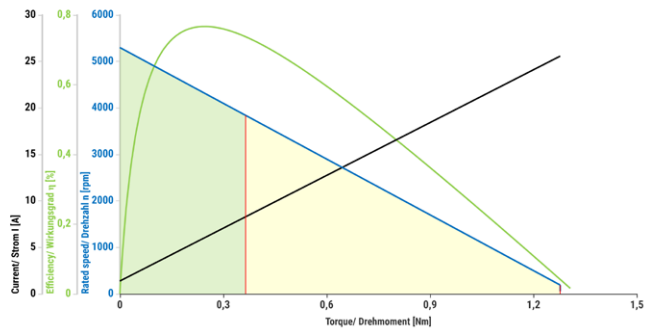
Point of application load/ Angriffspunkt Belastung
15 mm from flange/ ab Flansch



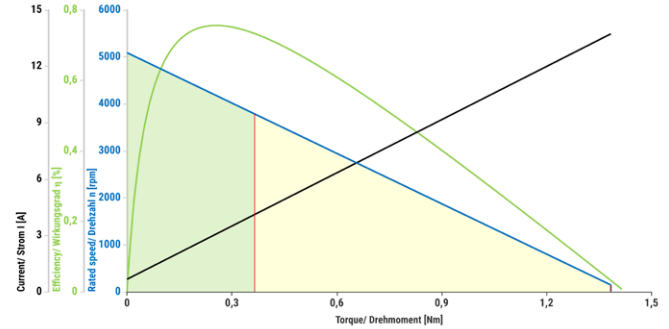
Characteristic diagram/ Belastungskennlinien

In accordance with/ Belastungskennlinien gezeichnet nach EN 60034

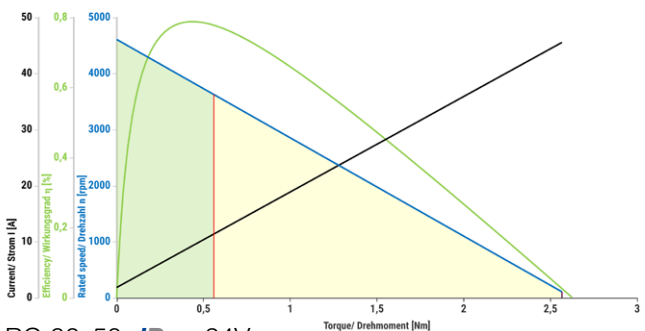
■ Continuous operation/ Dauerbetrieb ■ Cyclical operation/ Zykl. Betrieb — Current torque/ Strom-Drehmoment — Speed torque/ Drehzahl-Drehmoment — Efficiency/ Effizienz



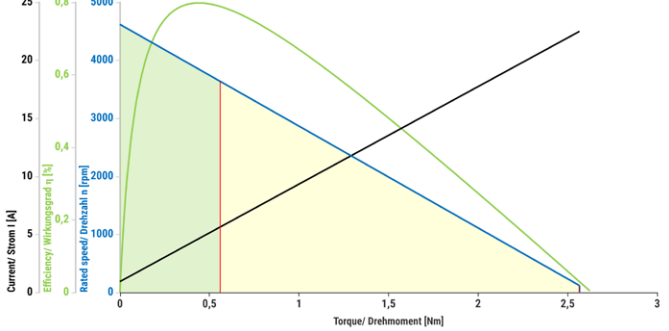
BG 66x25 *dPro*, 24V



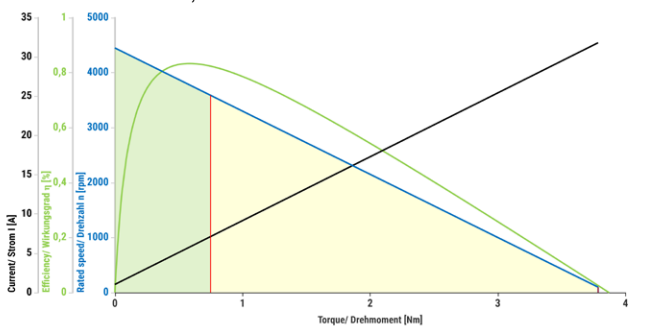
BG 66x25 *dPro*, 48V



BG 66x50 *dPro*, 24V



BG 66x50 *dPro*, 48V



BG 66x75 *dPro*, 48V

* Preliminary data/ Vorläufige Daten