

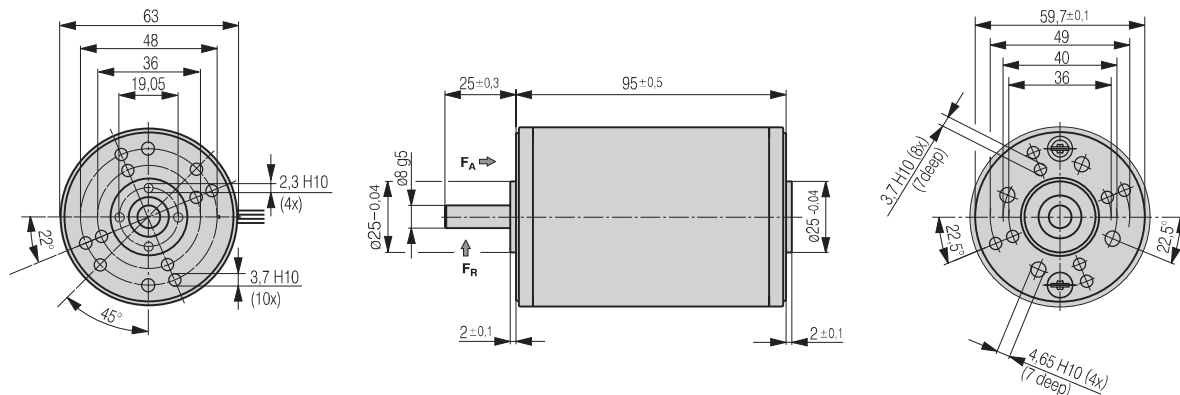
BCI 63.25



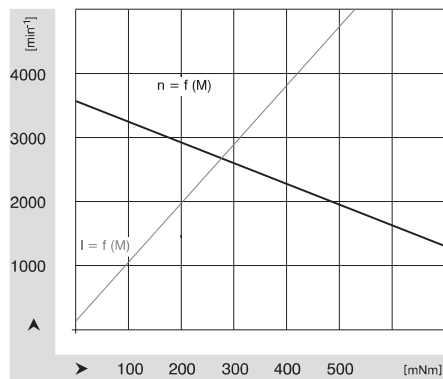
- DC motor with ferrite permanent magnets.
- Mechanical commutation through 12-piece collector.
- Closed steel motor housing with zinc diecast bearing flanges.
- Operation in both directions of rotation.
- Service life 3.000 hrs for continuous operation (S1).
- Insulation class B.
- Protection class IP 40, optionally higher.

Nominal Data

Type BCI 63.25		12 V DC	24 V DC	40 V DC	60 V DC
Nominal speed	min ⁻¹	3150	3150	3500	3300
Nominal torque	mNm	140	140	140	140
Nominal output power	W	45	46	52	48.5
Nominal current	A	5.4	2.7	1.8	1.1
Nominal efficiency approx.	%	70	72	73	73
Free-running speed	min ⁻¹	3600	3600	3800	3600
Free-running current	A	0.6	0.3	0.2	0.15
Starting torque	mNm	840	1100	1100	1100
Starting current	A	28.0	17.5	12.0	7.4
Rotor moment of inertia	gcm ²	400	400	400	400
Mass	kg	1.2	1.2	1.2	1.2
Order No.		931 6325 002	931 6325 001	931 6325 003	931 6325 004



Motor curves for 24 V



Max. permissible shaft load

F_A – axial load 150 N

F_R – radial load 150 N, 20 mm from motor flange

Blind holes for self threading screws
according to DIN 7500

Electrical connection

Direction of rotation, clockwise as viewed onto the drive shaft

Cable length 300 ± 30 from motor

Cable length 7 ± 2 stripped and tin-coated

