

BCI-Motor

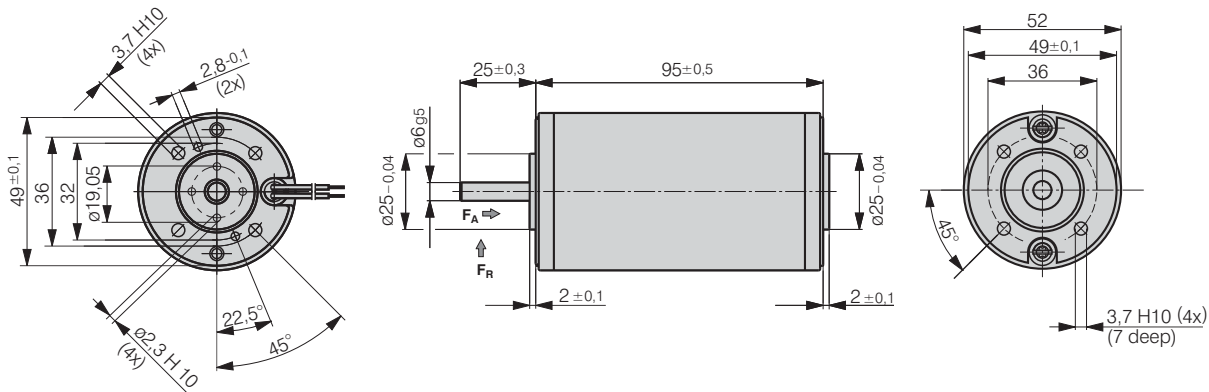
BCI 52.30



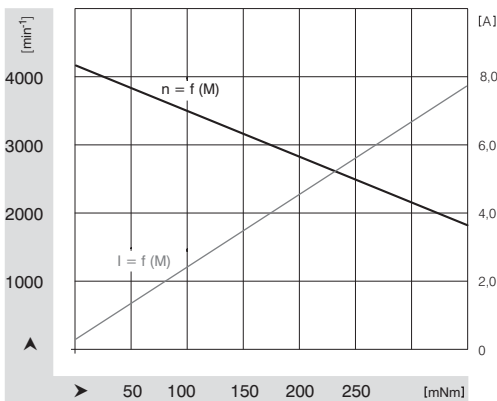
- DC motor with ferrite permanent magnets.
- Mechanical commutation through 12-piece collector.
- Closed steel motor housing with zinc diecast bearing flanges.
- Operation in both directions of rotation.
- Service life 3.000 hrs for continuous operation (S1).
- Insulation class B.
- Protection class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

Nominal Data

Type BCI 52.30		12 V DC	24 V DC	40 V DC	60 V DC
Nominal speed	min ⁻¹	3600	3600	3600	3600
Nominal torque	mNm	100	100	100	100
Nominal output power	W	38	38	38	38
Nominal current	A	4.8	2.2	1.35	1.0
Nominal efficiency approx.	%	71	71	71	71
Free-running speed	min ⁻¹	4200	4200	4200	4200
Free-running current	A	0.48	0.30	0.17	0.12
Starting torque	mNm	550	650	650	790
Starting current	A	20.8	12.0	8.8	5.9
Rotor moment of inertia	gcm ²	230	230	230	230
Mass	kg	0.9	0.9	0.9	0.9
Order No.		931 5230 002	931 5230 001	931 5230 003	931 5230 004



Motor curves for 24 V



Max. permissible shaft load

F_A – axial load 90 N
 F_R – radial load 130 N, 20 mm from motor flange

Blind holes for self threading screws according to DIN 7500

Electrical connection

Direction of rotation, clockwise as viewed into the drive shaft
 Cable length 300 ± 30 from motor
 Cable length 7 ± 2 stripped and tin-coated

