

Servomotors with brush drive

DC 100



DC servomotor DC 100

Features

- Servomotor with brushes
- Low-resistance winding construction
- Good dynamic response
- Two-finger brush (long working life)
- Incremental encoder with 512 pulses/turn (optional for DC 300: 1,000 pulses/turn)
- IP43 protection class/IP50 encoder

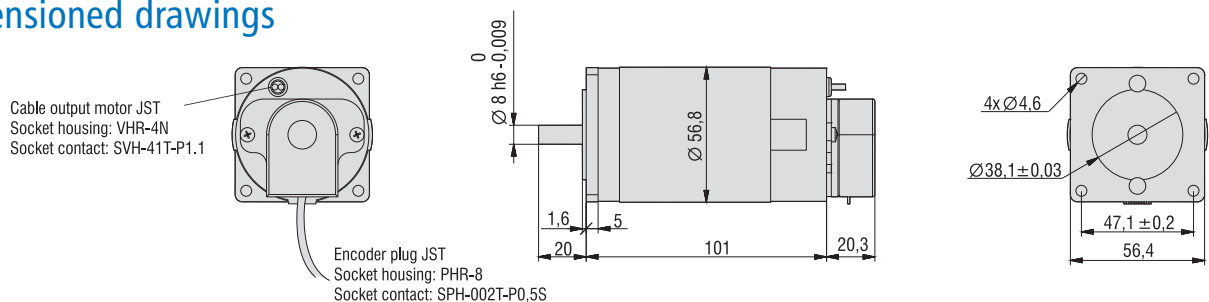
General

DC servomotors with brushes are the entry into the controlled drive technology class. They have good dynamic response and have proved themselves in drive systems. The attached encoder enables precise positioning. This predestines their use in CNC machines and in automation systems.

Technical specification

Description	Voltage V	No-load speed rpm	No-load current A	Rated speed rpm	Rated torque Ncm	Rated current A	Rated output W	Peak current A	Part no.
DC 100	48	3,400	0.25	3,000	30	2.8	95	6.5	471022 0020

Dimensioned drawings



Pin assignments

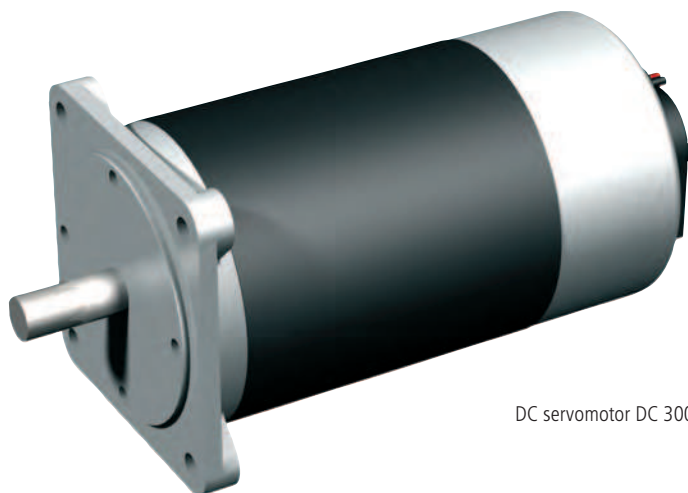
Cable coding	1	2	3	4	5	6	7	8
Wire colour	Black	Red	Green	Brown	Grey	White	Yellow	Orange
Driver output	0V	Vcc	SIG A	SIG \bar{A}	SIG \bar{B}	SIG B	SIG Z	SIG \bar{Z}

Subject to technical changes.

Servomotors

with brush drive

DC 300



DC servomotor DC 300

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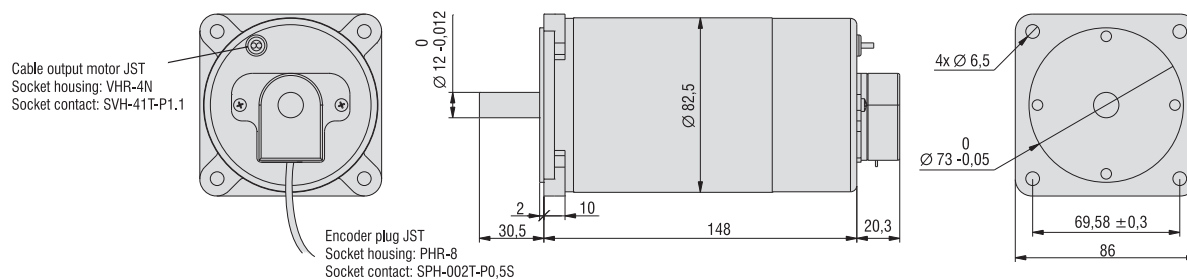
General

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Technical specification

Description	Voltage V	No-load speed rpm	No-load current A	Rated speed rpm	Rated torque Ncm	Rated current A	Rated output W	Peak current A	Part no.
DC 300	48	3,200	1	3,000	100	9	315	20	471024

Dimensioned drawings



Pin assignments

Cable coding	1	2	3	4	5	6	7	8
Wire colour	Black	Red	Green	Brown	Grey	White	Yellow	Orange
Driver output	0V	Vcc	SIG A	SIG \bar{A}	SIG \bar{B}	SIG B	SIG Z	SIG \bar{Z}

Subject to technical changes.