Motor drive 3112



Description

Compact 12 V DC motor with worm gear and through going hexagon socket. A cable with AMP plug and an integrated Hall sensor allows easy and secure control of the entire system. Easily adaptable via hexagon socket and anchor points.

Special features

- Two integrated Hall sensors for measurement of the revolutions and direction of rotation
- Through going hexagon socket in wrench widths 6 mm and 9 mm
- Good self-locking properties
- 100 mm motor cable with connector included

Variant key

Variants are formed by different wrench widths.

75.7

25.2 Cable length 100 incl. connector

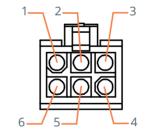
Technical data

Model	3112.00-1009	3112.00-1006
Motor	DC motor 12 V	DC motor 12 V
Sensor/Power supply	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A
Protection class	IP30	IP30
Idle running speed	120 rpm (12 V)	120 rpm (12 V)
Duty cycle idle speed	20% (at 5 min.)	20% (at 5 min.)
Duty cycle nominal load*	20 s ON/ 240 s OFF	20 s ON/ 240 s OFF
Rated torque*	2.8 Nm	2.8 Nm
Short term peak torque (<1s)	6 Nm	6 Nm
Input	hex 9 mm	hex 6 mm

^{*} Load determined for service life of 10,000 double strokes

Pin assignment

View A



1. Motor black - 0,75 mm² 2. Motor blue + PIN type AMP170364

0,25 - 0,35 mm²

- 3. Hall sensor red +5V 4. Hall sensor violet, output 2 5. Hall sensor black -
- 6. Hall sensor green, output 1

Mounting example:

Screw M5x20 DIN 7380 (3x)



Technical notes

- The drive requires a suitable 12 V controller.
- The drive working range (nominal torque) is determined for a service life of 10,000 double strokes.
- By using a controller with a short-circuit brake the holding torque position of the drive can be increased.

Technical data for motor drive 3112 in combination with spindle unit 3130.14

	with 3130.14-V1XEXXXHXXX	with 3130.14-V2XEXXXHXXX
Type of spindle	TR14x3 RH	SG14x16P4 RH
Duty cycle nominal load* & Stroke 500 mm	90 s ON/ 540 s OFF	25 s ON/ 300 s OFF
Max. lifting force F ₁ *	900 N	400 N
Max. pulling force F ₂ *	500 N	400 N
Stat. self locking	150 kg	60 kg

^{*} Load determined for service life of 10,000 double strokes

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