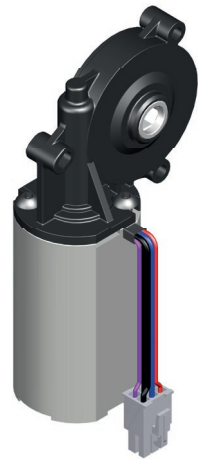


Motor drive 3112



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

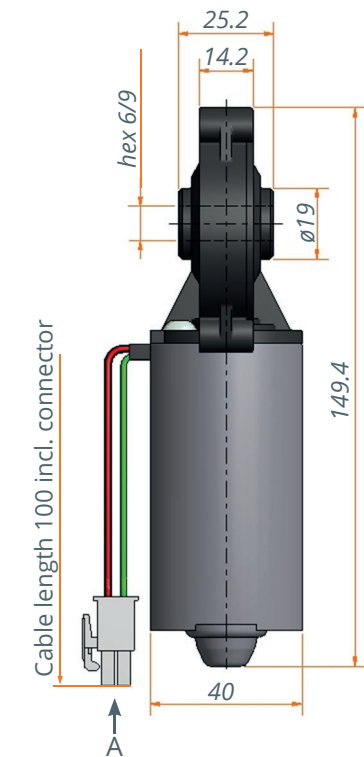
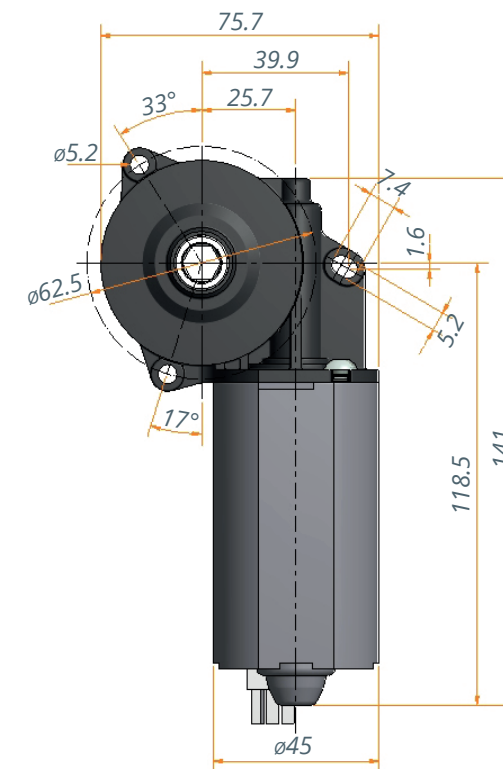
Variants are formed by different wrench widths.



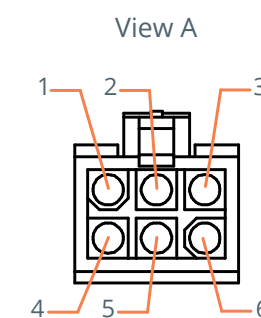
Technical data

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

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



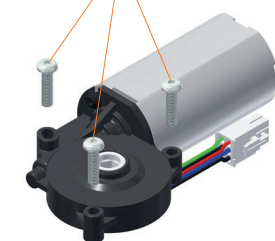
Pin assignment



- | | |
|---------------------------------|--|
| 1. Motor black - | 0,75 mm ²
PIN type AMP170364 |
| 2. Motor blue + | |
| 3. Hall sensor red +5V | 0,25 - 0,35 mm ²
PIN type
AMP170363 |
| 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

	3130.14-V21EXXXHXXX 3130.14-V22EXXXHXXX	3130.14-V11EXXXHXXX 3130.14-V12EXXXHXXX
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