Motor drive 3133.48



Description

Compact 24 V DC motor with worm gear and through going hexagon socket. Although the drive was developed for ergonomic table applications, it can be used in many other fields. A cable with AMP plug and an integrated Hall sensor allows easy and secure control of the entire system.

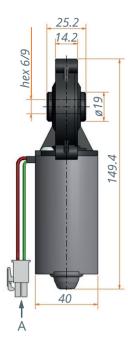
Special features

- 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
- High torque with minimum construction size
- Good self-locking properties
- Low noise
- 100 mm motor cable with connector included
- Can be combined with all Ketterer spindle systems

Variant key

The variants are formed by the different wrench widths.

75.7



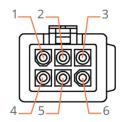
Technical data

| Model | 3133.48-0009 | 3133.48-0016 |
|--------------------------------|--------------------|--------------------|
| Motor | DC motor 24 V | DC motor 24 V |
| Sensor/Power supply | Hall/5 V DC/0.3 A | Hall/5 V DC/0.3 A |
| Protection class | IP30 | IP30 |
| Duty cycle idle speed | 20% (at 5 min.) | 20% (at 5 min.) |
| Idle running speed | 100 rpm (24 V) | 100 rpm (24 V) |
| Rated torque* | 5 Nm | 5 Nm |
| Duty cycle nominal load | 20 s ON/ 240 s OFF | 20 s ON/ 240 s OFF |
| Short term peak torque (<1sec) | 8 Nm | 8 Nm |
| Input | hex 9 mm | hex 6 mm |

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

Pin assignment

View A



2. Motor blue +

1. Motor black - | Wire AWG18 PIN type AMP170364 or ALEX 7003T or HRB T 1020BS-2

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

or ALEX 7003T or HRB T 1020BS-2A

Installation position/Mounting

Screw M5x20



Technical notes

- The drive working range (nominal torque) is determined for a service life of 10,000 double
- Through the controller* the system is regulated such that the speed in the entire work area position of the drive is kept as constant as possible.
- * In combination with LogicData control box Compact-3

By using a controller with a short-circuit brake the holding torque position of the drive can be increased.

3133.75-04/20190705 www.ketterer.de