

Motor drive for through going spindle 4779



Description

Powerful 24 V DC motor with worm gear, designed for an axis parallel through going spindle. Ideal for integration in a lift column. The drive is only suitable for axial pressure load. A cable with standard connector and integrated Hall sensor technology permit simple and secure control of the entire system.

Special features

- Two integrated Hall sensors for measurement of the revolutions and direction of rotation
- Different type of internal thread for through going spindles
- Good self-locking properties
- Fast and powerful
- Order spindle separately

Variant key

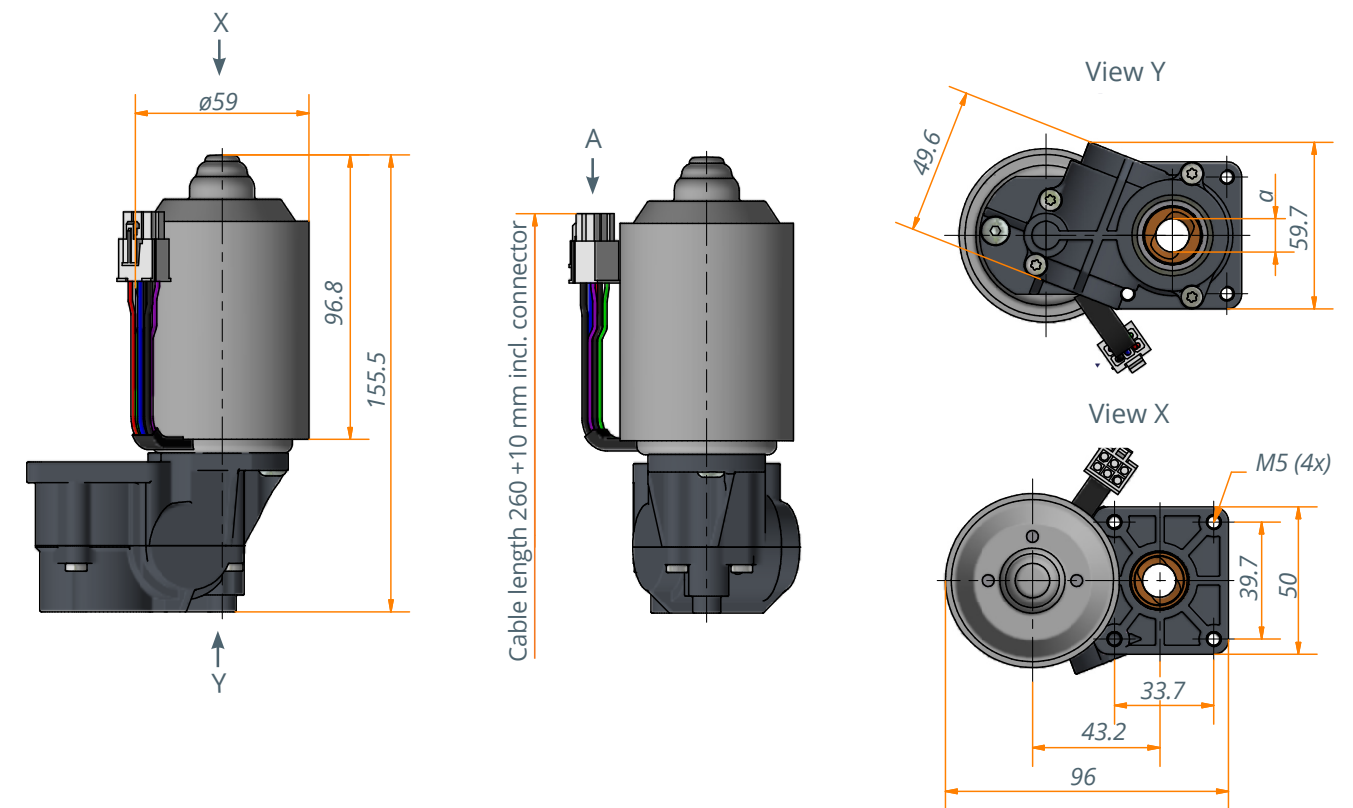
The variants are formed by different internal thread types for connecting the spindles.

Technical data

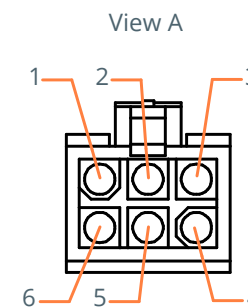
Model	4779.00-0001	4779.00-0002	4779.00-0003
Motor	DC motor 24 V	DC motor 24 V	DC motor 24 V
Sensor/Power supply	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A
Protection class	IP30	IP30	IP30
Operating temperature	0° to +30°	0° to +30°	0° to +30°
Electric current (I_N) at max. load	6,3 A	7 A	7 A
Idle running speed	133 rpm	133 rpm	133 rpm
Duty cycle idle speed	20% (at 5 min.)	20% (at 5 min.)	20% (at 5 min.)
Duty cycle nominal load*	20 s ON 240 s OFF	33 s ON 240 s OFF	16 s ON 240 s OFF
Max. lifting force	1800 N	2200 N	1500 N
Traverse speed (constant from F= 0 to F_{max}.)	17 mm/s	12 mm/s	24 mm/s
Static Self locking **	180 kg	220 kg	150 kg
Output (Inner thread)	SG12x12P4 RH	Tr16x8P4 RH	SG14x16P4 RH

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

** In combination with controller, which has a short circuit brake



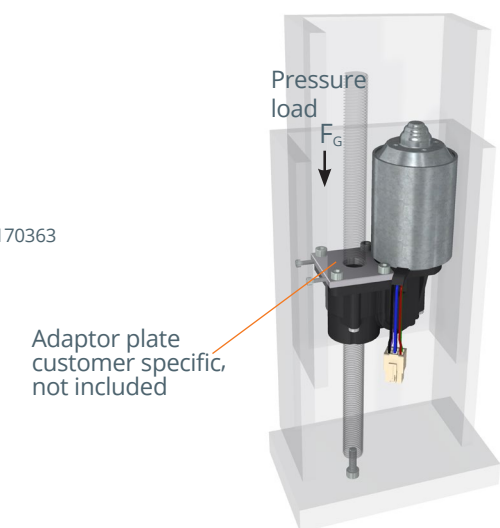
Pin assignment



PIN assignment:

- | | |
|---------------------------------|--------------------|
| 1. Motor black - | PIN type AMP170364 |
| 2. Motor blue + | |
| 3. Hall sensor red +5V | PIN type AMP170363 |
| 4. Hall sensor violet, output 2 | |
| 5. Hall sensor black - | |
| 6. Hall sensor green, output 1 | |

Installation position/Mounting



Technical notes

- Spindle not included; must be ordered separately.
- Attention: The drive is only suitable for axial pressure load. Note correct installation position (see installation example).
- The drive must be protected against lateral forces by a guide system.
- 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.
- The controller* regulates the system in such a way that the travel speed in the entire drive working range is kept as constant as possible.

* In combination with LogicData control box Compact-3