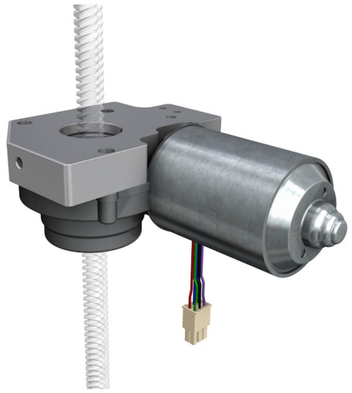
Motor drive for through going spindle 4778



Description

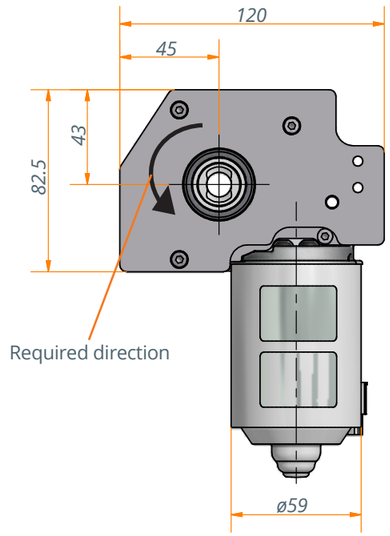
Powerful 24 V DC motor with worm gear, designed for non-rotating through going spindle for pushing and pulling movements. A cable with AMP plug and an integrated Hall sensor allows easy and secure control of the entire system.

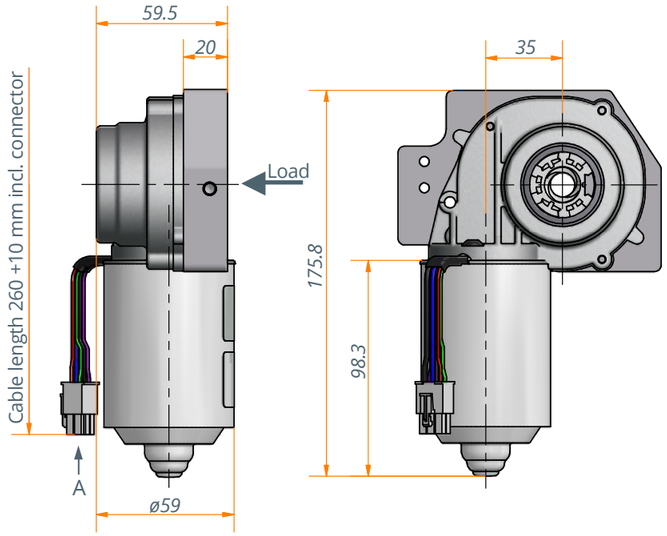
Special features

- Two integrated Hall sensors for measurement of the revolutions and direction of rotation
- 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.



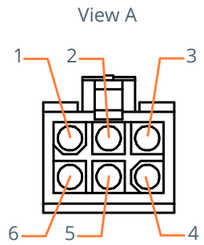


Technical data

Model	4778.00-0002	4778.00-0004	4778.00-0006
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	8 A	8 A	8 A
Idle running speed	270 rpm	270 rpm	270 rpm
Duty cycle idle speed	20% (at 5 min.)	20% (at 5 min.)	20% (at 5 min.)
Duty cycle at max. load	10 s ON 240 s OFF	13 s ON 240 s OFF	8 s ON 240 s OFF
Max. lifting force*	1900 N	3700 N	950 N
Traverse speed (constant from F= 0 bis $F_{max.}$)**	24 mm/s	12 mm/s	45 mm/s
Static Self locking ***	200 kg	380 kg	200 kg
Output (Inner thread)	SG16x8P4 RH	Tr16x4 RH	SG14x16P4 RH

* Determined for service life of 10,000 double strokes
** 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 controller, which has a short circuit brake

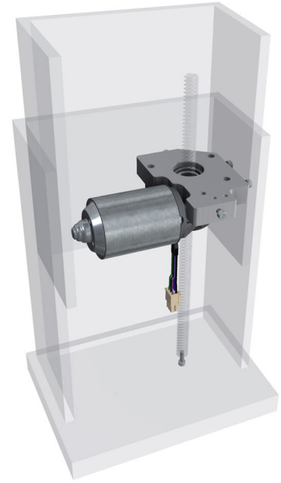
Pin assignment



PIN assignment:

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

Installation position/Mounting



Technical notes

- Spindle is not included; must be ordered seperatly.
- Achtung: Note correct installation position (see installation example/position).
- 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.