

DC-Motor drive 3143

Description

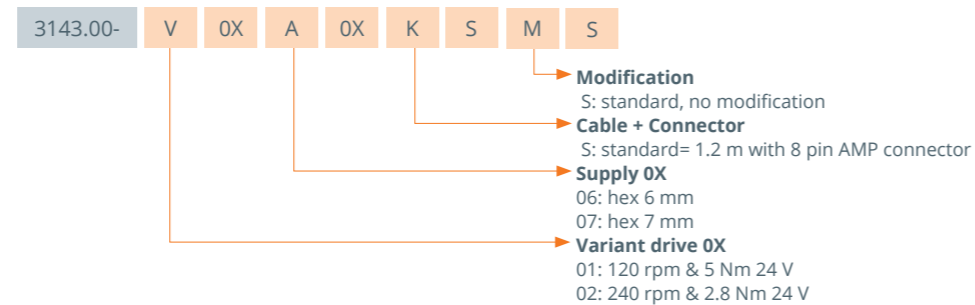
Powerful 24 V DC motor with worm gear and through going hexagon socket. Although the drive was developed for ergonomic table applications, it can be used in many other fields. A cable with AMP plug and an integrated Hall sensor allows easy and secure control of the entire system.



Special features

- Two integrated Hall sensors for measurement of the revolutions and direction of rotation
- Through going hexagon socket in wrench widths 6 mm, 7 mm, 9 mm
- Available as "power package" or as "high speed" variant
- 1200 mm motor cable with connector included
- Good self-locking properties
- Can be combined with all Ketterer spindle systems

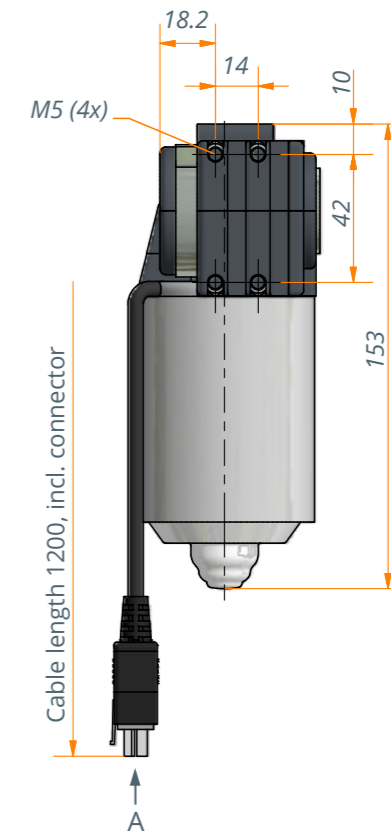
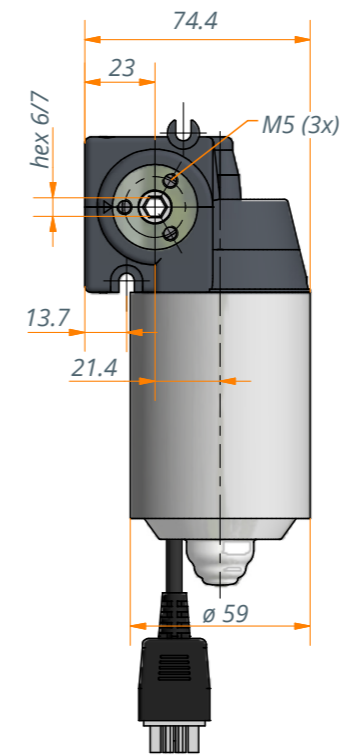
Variant key



Technical data

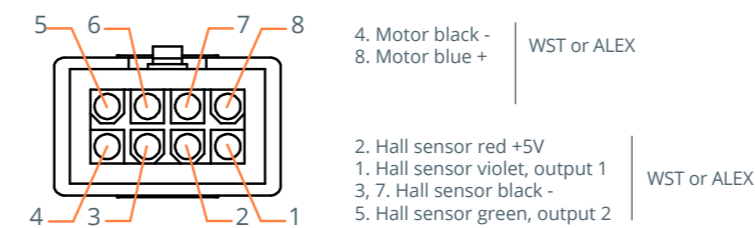
Model	3143.00-V01A06KSMS	3143.00-V01A07KSMS	3143.00-V02A06KSMS	3143.00-V02A07KSMS
Motor	DC motor 24 V	DC motor 24 V	DC motor 24 V	DC motor 24 V
Sensor/Power supply	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A	Hall/5 V DC/0.3 A
Electric current	3.9 A at 5 Nm	3.9 A at 5 Nm	4 A at 2.8 N	4 A at 2.8 Nm
Protection class	IP30	IP30	IP30	IP30
Idle running speed	115 rpm (24 V) 120 rpm *	115 rpm (24 V) 120 rpm *	230 rpm (24 V) 240 rpm *	230 rpm (24 V) 240 rpm *
Duty cycle idle speed	20% (at 5 min.)	20% (at 5 min.)	20% (at 5 min.)	20% (at 5 min.)
Rated torque*	5 Nm	5 Nm	2.8 Nm	2.8 Nm
Duty cycle nominal load**	20 s ON 240 s OFF	20 s ON 240 s OFF	20 s ON 240 s OFF	20 s ON 240 s OFF
Short term peak torque (<1s)	9 Nm	9 Nm	5 Nm	5 Nm
Input	hex 6 mm	hex 7 mm	hex 6 mm	hex 7 mm

* In combination with LogicData control box Compact-3
** Load determined for service life of 10,000 double strokes



Pin assignment

View A



Technical notes

- The drive working range (nominal torque) is determined for a service life of 10,000 double strokes.
- Through the controller* the system is regulated such that the speed in the entire drive working range is kept as constant as possible.
- By using a controller with a short-circuit brake the holding torque position of the drive can be increased.

* In combination with LogicData control box Compact-3