Item description/product images





Description

Product description:
Light and rapid motion.

This version is optimised for horizontal adjustment or slide motions.

There is deliberately very little braking effect here. The components, such as doors, should still be easy to move by hand. As gravity has less of an effect here, the focus is on comfort, high speed and low braking force in both directions.

Possible application examples include doors, sliding doors, pull-out systems and movable modules.

Material:
Housing plastic.
Thrust tube steel.

Note:
The spindle drive is based on an electromechanical drive system that automates and precisely controls linear movements. An integrated electric motor drives a piston rod via a spindle system, which in turn generates extension and retraction movements. This technology enables controlled lifting, lowering, opening, closing and retaining – even with heavy loads. Sensors and control electronics ensure millimetre precision positioning, smooth motion sequences and maximum repeat accuracy. The system can optionally be combined with gas springs to provide passive load balancing, thereby ensuring greater energy efficiency, safety and comfort – the drive can also be easily adjusted manually, e.g. during a power cut.

The spindle drive is designed for use in industrial environments. It impresses with a robust design and smooth operation. It is particularly suitable for applications that place high demands on reliability, durability and motion quality.

Certificates / Standards met:
EN 60204-1:2018
EN 60335-1:2012
EN IEC 55014-1:2021
EN IEC 61000-6-3:2021
FCC Part 15B / ICES-003 EMC Emissions

Technical data:
Rating: IP67.

Cable bend radius (static): 37.5 mm.
Cable bend radius (dynamic): 112.5 mm.

Corrosion resistance: 144 hours, ISO 9227-NSS.
Vibration resistance: DIN EN 60068-2-64.
UV resistance: DIN EN ISO 16474-2.
Impact resistance: DIN EN 60068-2-27.
Operating cycle: Max. 10% (20s on, 180s off).
Service life: min. 50,000 cycles.
Noise level 55 dB(A).

Temperature range:
Storage temperature: -40 °C to +90 °C.

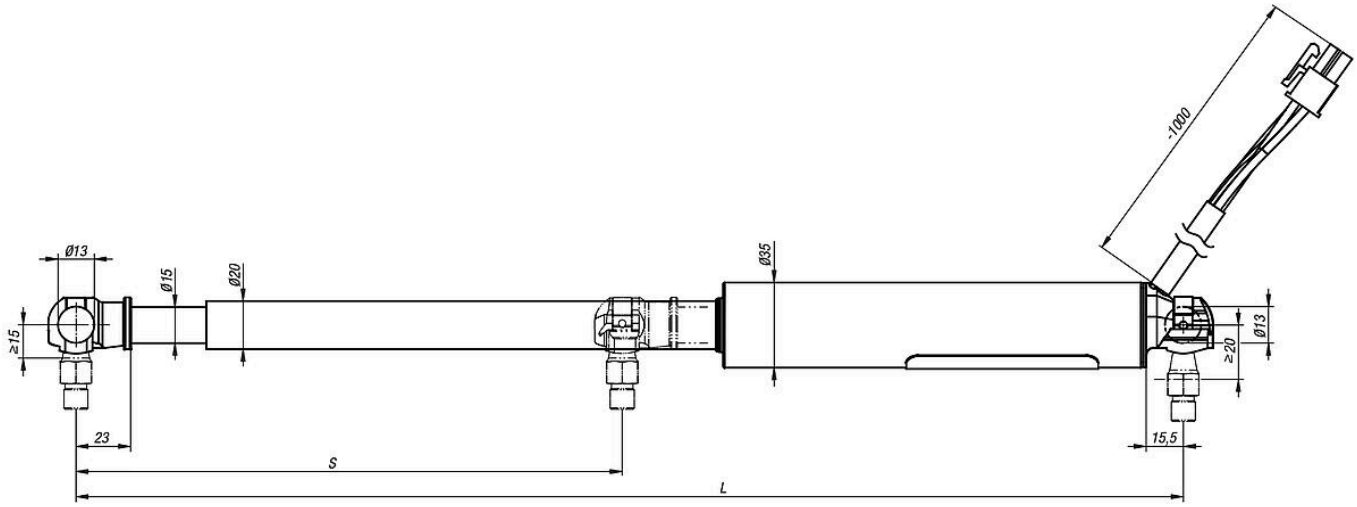
Item description/product images

Operating temperature: -30°C to +80°C.

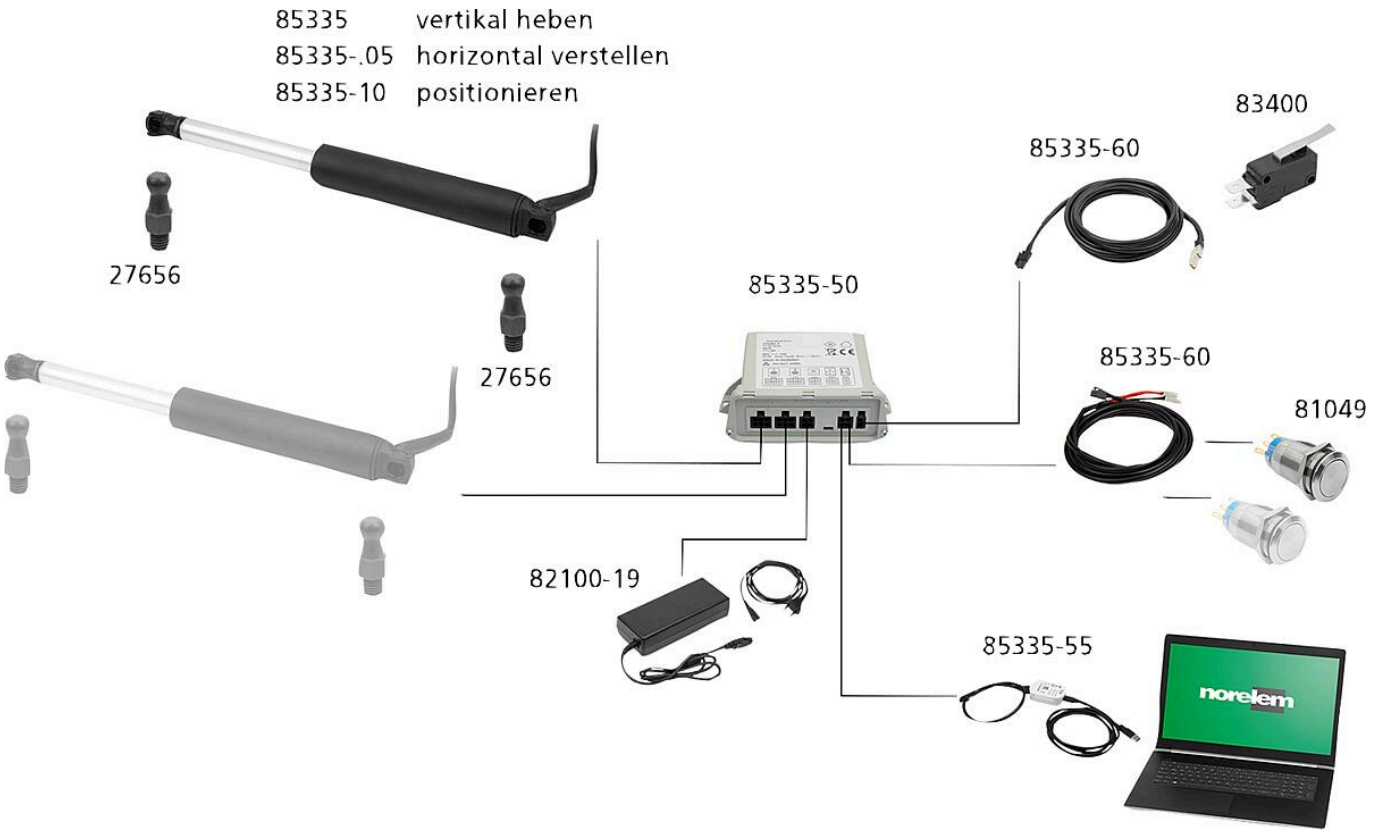
A built-in thermal switch ensures an automatic switch off for the motor in the event of overheating. The activation temperature is +120 °C.

Accessory:
85335-50 Control unit.
85335-55 Programming device.
85335-60 Connecting cable.
82100-19 24V DC power supply unit.
81049 Push button.
83400 Limit switch.
27656 ball studs.

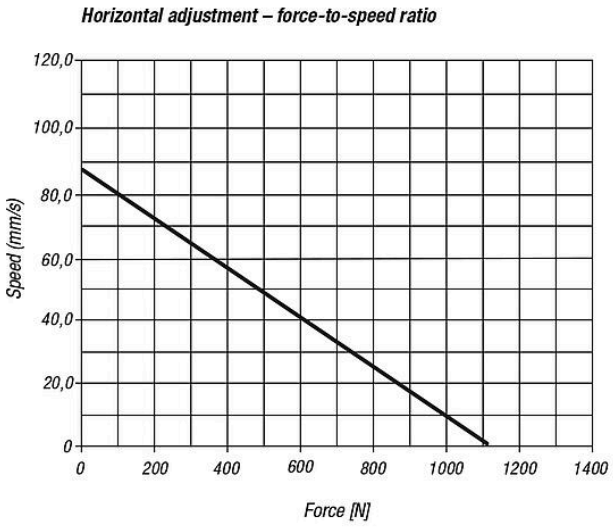
Drawings

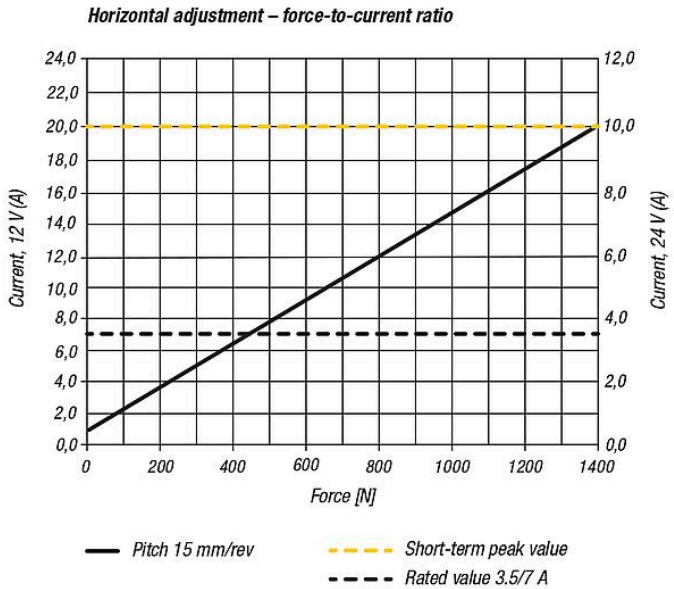


Drawings



85335-05





The values shown correspond to the extending movement.

Overview of items

Spindle drives, electric, horizontal adjustment

Order No.	L	Travel S				
85335-05-2415X100	461,5	100	80	57	170	170
85335-05-2415X150	561,5	150	80	57	170	170
85335-05-2415X200	661,5	200	80	57	170	170

Overview of items

Order No.	L	Travel S				
85335-05-2415X250	761,5	250	80	57	170	170
85335-05-2415X300	861,5	300	80	57	170	170
85335-05-2415X350	961,5	350	80	57	170	170

Order No.			Nom. tension VDC			
85335-05-2415X100	410	1100	24	3,5	15	9,7
85335-05-2415X150	410	1100	24	3,5	15	9,7
85335-05-2415X200	410	1100	24	3,5	15	9,7
85335-05-2415X250	410	1100	24	3,5	15	9,7
85335-05-2415X300	410	1100	24	3,5	15	9,7
85335-05-2415X350	410	1100	24	3,5	15	9,7