Item description/product images





Description

Product description:
Maintain precise position.

This version is optimised for precise adjustment and positioning tasks.

It is fitted with a bidirectional brake. This ensures high braking forces in both directions. They are not really intended for manual adjustment.

They are suitable for adjustment units, linear actuators and positioning in machine construction and industry.

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

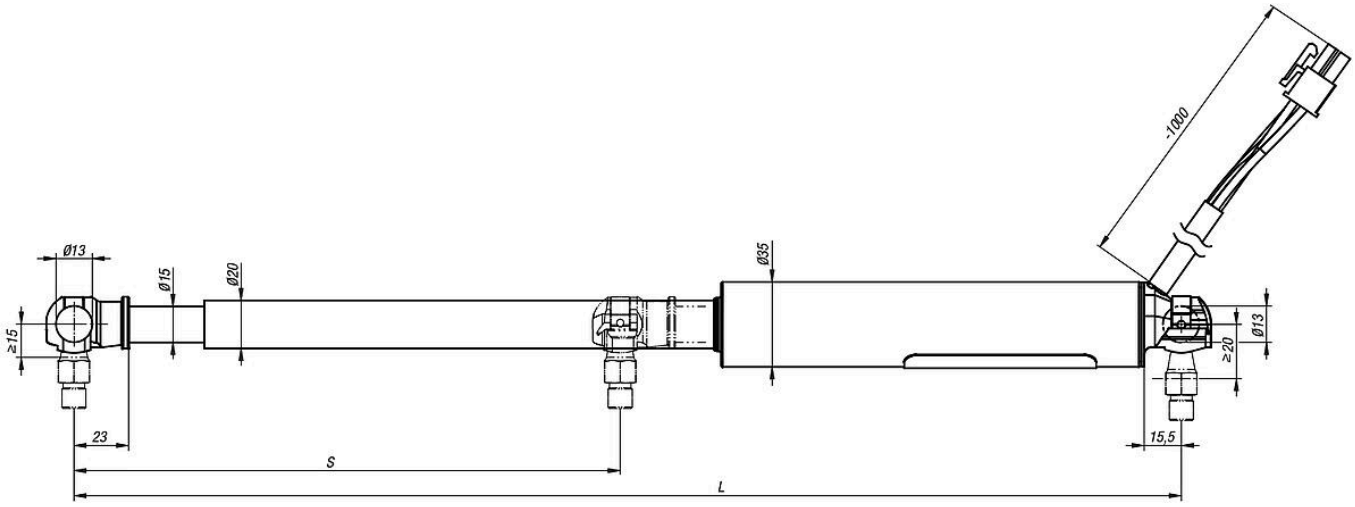
Item description/product images

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

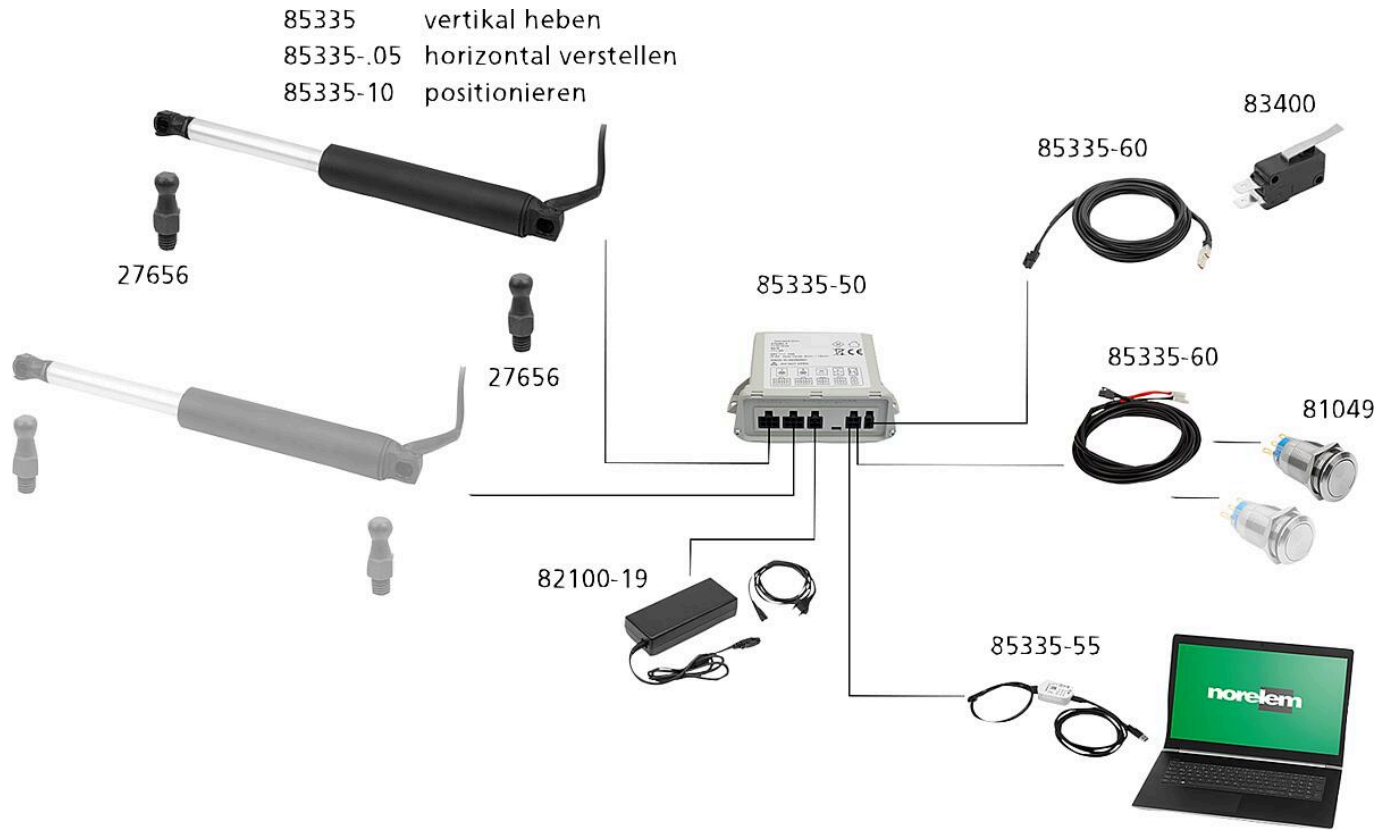
Advantages:
An additional gas spring can assist the drive by heavy loads. This reduces motor power and energy consumption, whilst extending the systems service life.

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



Overview of items

Spindle drives, electric, positioning

Order No.	L	Travel S				
85335-10-2410X100	461,5	100	50	38	600	600
85335-10-2410X150	561,5	150	50	38	600	600
85335-10-2410X200	661,5	200	50	38	600	600
85335-10-2410X250	761,5	250	50	38	600	600
85335-10-2410X300	861,5	300	50	38	600	600
85335-10-2410X350	961,5	350	50	38	600	600
85335-10-2410X050	361,5	50	50	38	600	600
85335-10-2404X100	461,5	100	20	15	1820	1820
85335-10-2404X150	561,5	150	20	15	1820	1820
85335-10-2404X050	361,5	50	20	15	1820	1820

Order No.			Nom. tension VDC			
85335-10-2410X100	390	1400	24	3,5	10	9,7
85335-10-2410X150	390	1400	24	3,5	10	9,7
85335-10-2410X200	390	1400	24	3,5	10	9,7
85335-10-2410X250	390	1400	24	3,5	10	9,7
85335-10-2410X300	390	1400	24	3,5	10	9,7
85335-10-2410X350	390	1400	24	3,5	10	9,7
85335-10-2410X050	390	1400	24	3,5	10	9,7
85335-10-2404X100	880	3300	24	3,5	4	9,7
85335-10-2404X150	880	3300	24	3,5	4	9,7
85335-10-2404X050	880	3300	24	3,5	4	9,7

Overview of items