Item description/product images







Description

Product description:
Hold loads securely against gravity.

This version is specifically designed for vertical lifting. It is fitted with a slide-in brake. This only operates in the direction of entry.

It is suitable for holding vertical loads and can be easily adjusted manually. Possible applications include covers and hatches.

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.

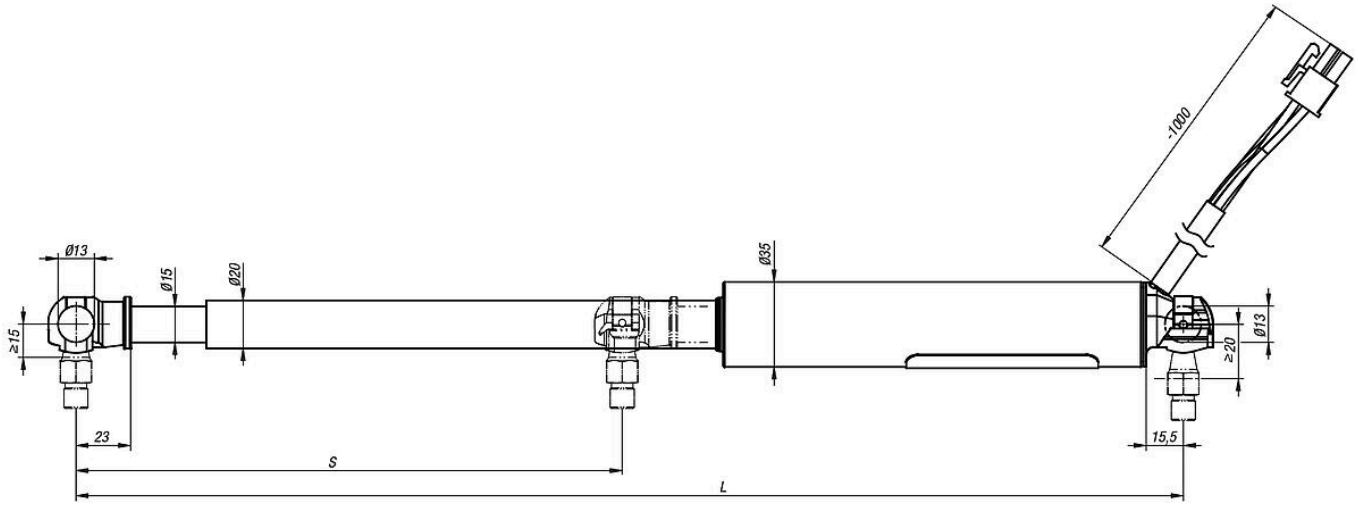
Item description/product images

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

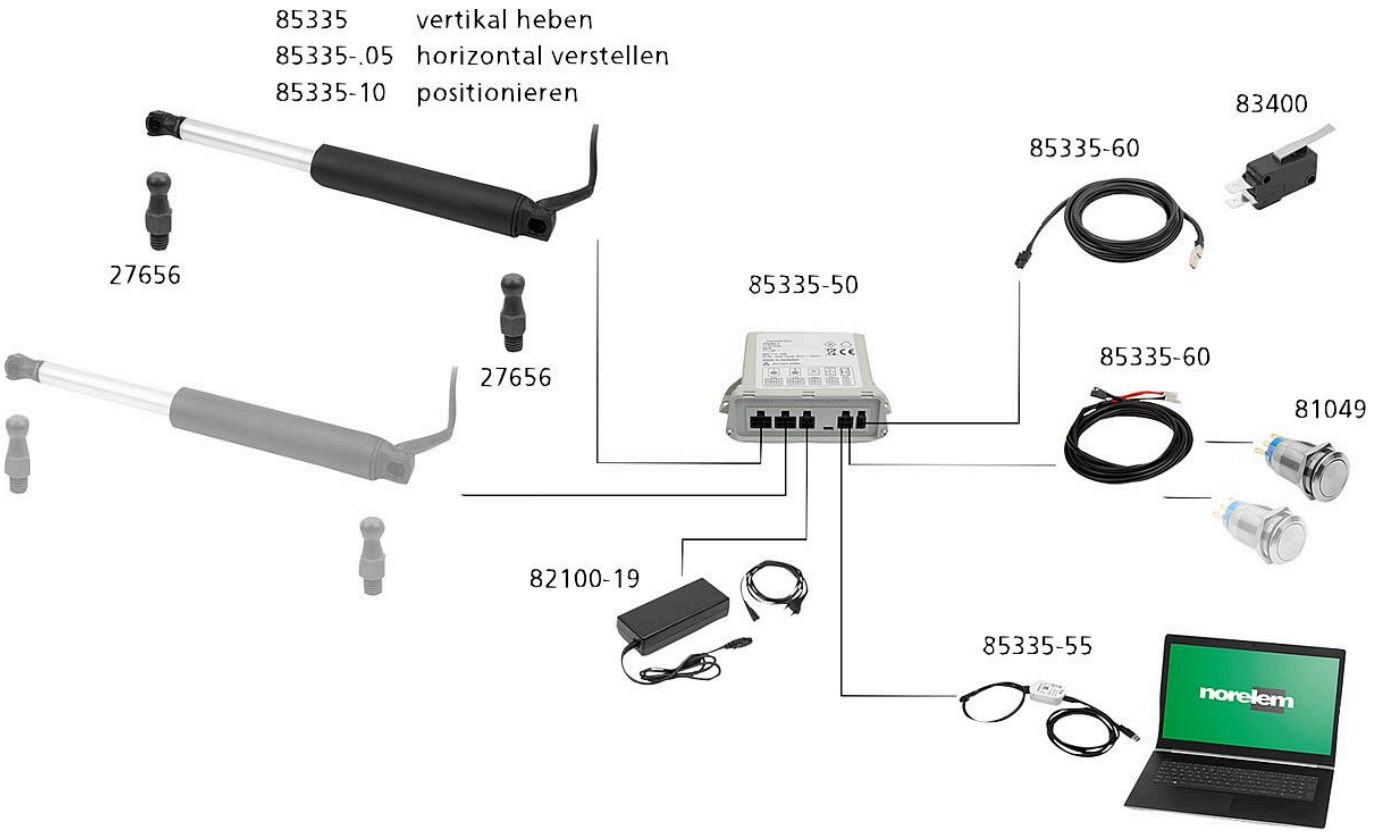
Advantages:
An additional gas spring can assist the drive by heavy loads. This reduces motor power and energy consumption, whilst extending the systems service life.

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, vertical lifting

Order No.	L	Travel S					Nom. tension VDC	
85335-2408X150	561,5	150	33	23	300	1050	24	3,5
85335-2408X200	661,5	200	33	23	300	1050	24	3,5
85335-2408X250	761,5	250	33	23	300	1050	24	3,5
85335-2408X300	861,5	300	33	23	300	1050	24	3,5
85335-2408X350	961,5	350	33	23	300	1050	24	3,5
85335-2415X150	561,5	150	80	57	110	400	24	3,5
85335-2415X200	661,5	200	80	57	110	400	24	3,5
85335-2415X250	761,5	250	80	57	110	400	24	3,5
85335-2415X300	861,5	300	80	57	110	400	24	3,5
85335-2415X350	961,5	350	80	57	110	400	24	3,5

Order No.						
85335-2408X150	1020	2800	8	9,7	630	2600
85335-2408X200	1020	2800	8	9,7	630	2600
85335-2408X250	1020	2800	8	9,7	630	2600
85335-2408X300	1020	2800	8	9,7	630	2600
85335-2408X350	1020	2800	8	9,7	630	2600
85335-2415X150	410	1100	15	9,7	260	1000
85335-2415X200	410	1100	15	9,7	260	1000
85335-2415X250	410	1100	15	9,7	260	1000
85335-2415X300	410	1100	15	9,7	260	1000
85335-2415X350	410	1100	15	9,7	260	1000

Overview of items