



EWELLIX

EWELLIX Lifting Columns

THG

Product Data Sheet

We pioneer motion

SCHAEFFLER

1 THG

1 THG



001CF14C

Benefits

- compact design
- robust

Standards

- IEC 60601-1

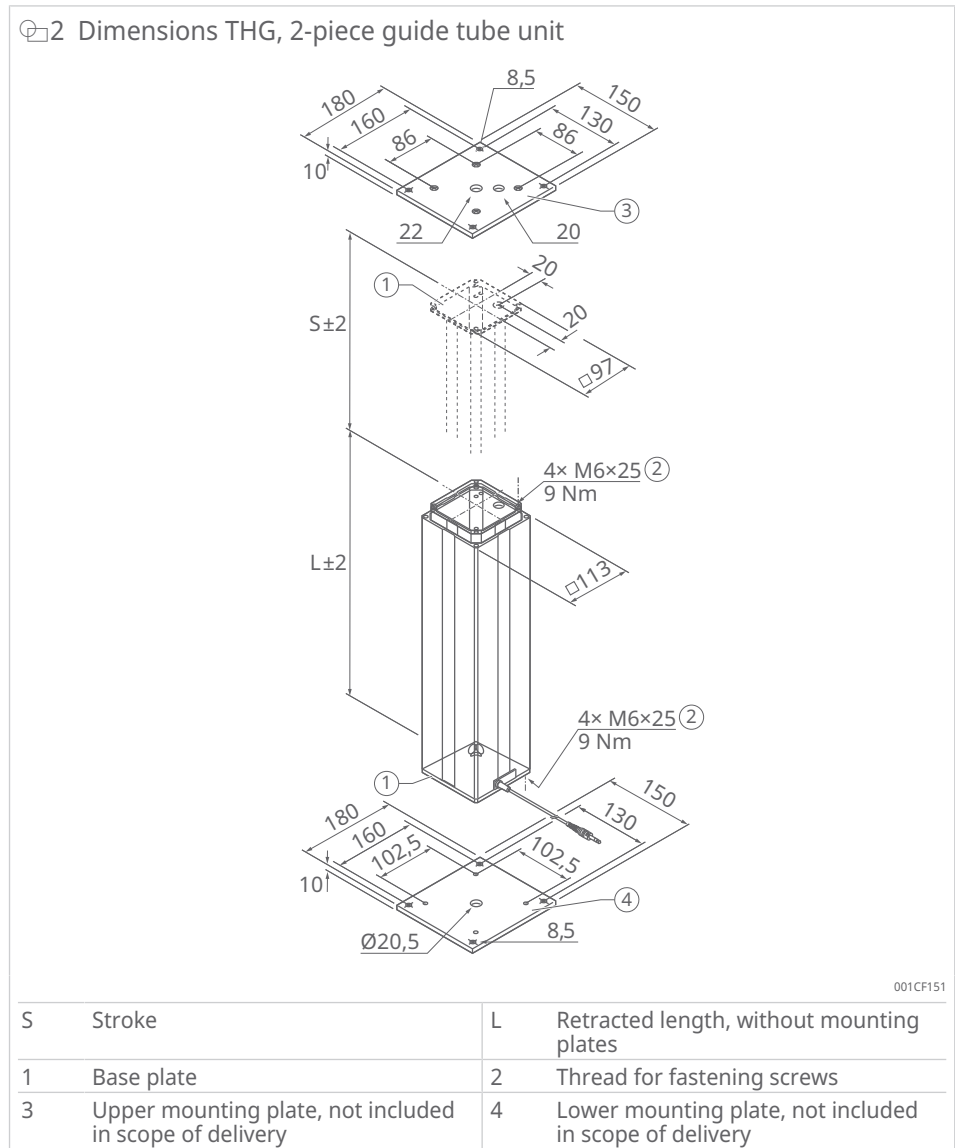
1 Technical data THG

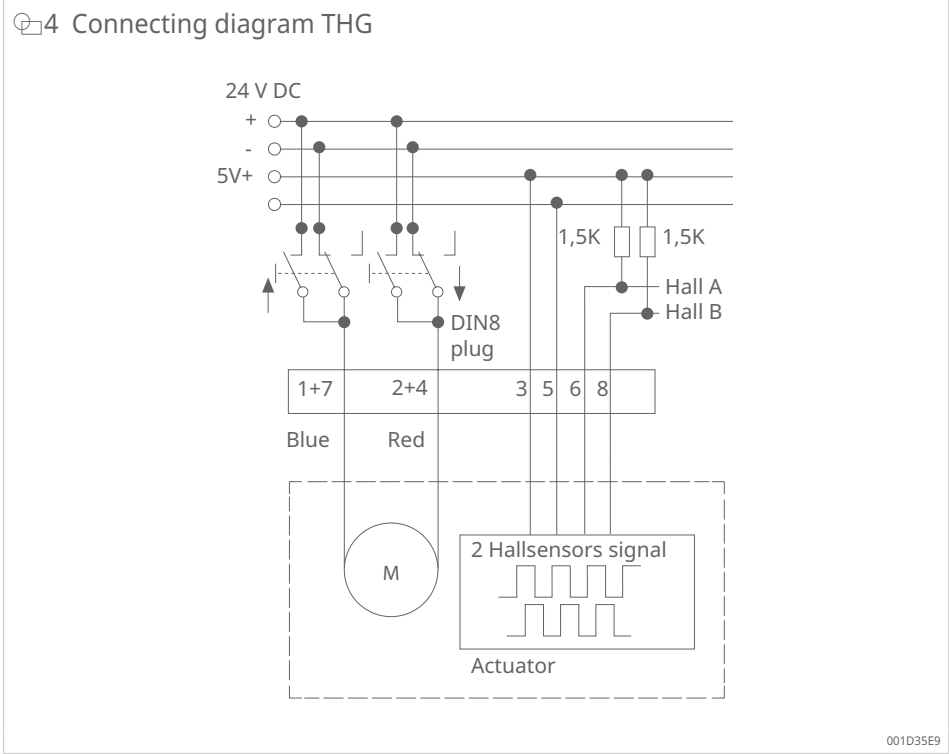
Feature	Unit	THG10-BA, THG11-BA	THG10-CA, THG11-CA	THG10-BD, THG11-BD	THG10-CD, THG11-CD
Rated push force	N	2000	1000	2000	1000
Rated pull force	N	0	0	0	0
Offset load	Nm	≤ 250 ¹⁾	≤ 120 ¹⁾	≤ 1000 ¹⁾	≤ 450 ¹⁾
Speed (full load to no load)	mm/s	5 to 7	12 to 15	5 to 7	12 to 15
Lifting column version (number of guide tubes)	-	2-piece	2-piece	3-piece	3-piece
Stroke S	mm	200 to 700	200 to 700	200 to 700	200 to 700
Retracted length L	mm	S + 270	S + 270	S + 180	S + 180
Voltage	V DC	24	24	24	24
Power consumption	W	120	120	120	120
Current consumption	A	5	5	5	5
Duty cycle, intermittent operation	min	ON: 1 min / OFF: 9 min	ON: 1 min / OFF: 9 min	ON: 1 min / OFF: 9 min	ON: 1 min / OFF: 9 min
Ambient temperature during operation	°C	+10 to +40	+10 to +40	+10 to +40	+10 to +40
	°F	+50 to +104	+50 to +104	+50 to +104	+50 to +104
Protection code (IP)	-	IP30	IP30	IP30	IP30

Feature	Unit	THG10-BA, THG11-BA	THG10-CA, THG11-CA	THG10-BD, THG11-BD	THG10-CD, THG11-CD
Protection class IEC 61140	-	SELV	SELV	SELV	SELV
Type of control	-	Electrical	Electrical	Electrical	Electrical
Mass	kg	8 to 14	8 to 14	8 to 14	8 to 14

1) for details, see bending load diagram

Dimensional drawings





Suitable control units and accessories

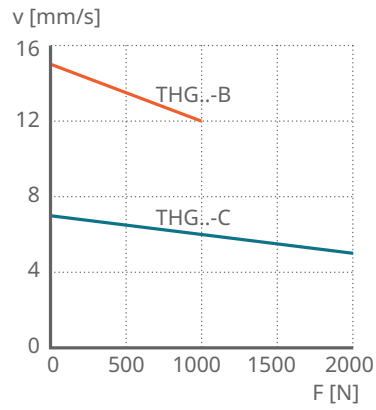
2 Suitable control units and operating devices

Operating device		Control unit			
Designation	Switch	SCU	VCU	BCU	MCU
EHA1	M	-	-	-	✓
EHA3	M	✓	✓	✓	-
STF	F	-	-	-	✓
STJ	F	✓	✓	✓	-
STA	T	-	-	-	✓
STE	T	✓	✓	✓	-

- M Hand switch
- F Foot switch
- T Desk switch
- ✓ suitable
- not suitable

Performance diagrams

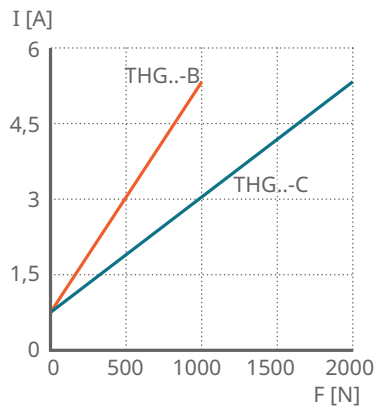
5 Speed-load diagram THG



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v Speed | F Load

6 Current-load diagram THG

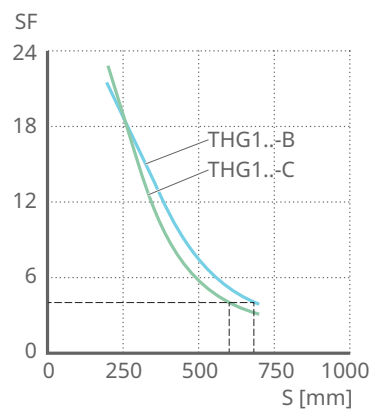


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I Current consumption | F Load

Safety factor under load conditions

7 Safety factor under load conditions



001D180F

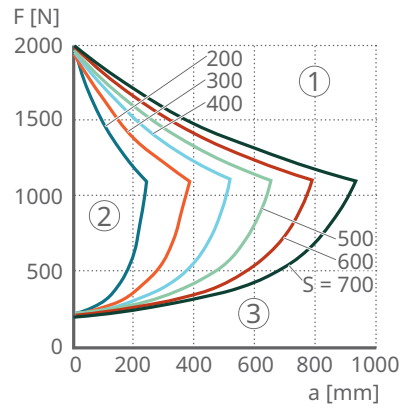
SF Safety factor | S Stroke

Example for reading the safety factor SF = 4

Offset load diagrams

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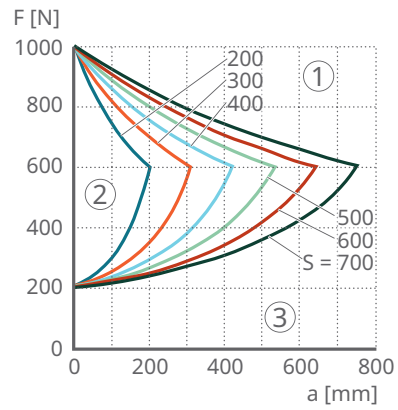
8 Offset load diagram THG1..-BD



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F	Load	a	Load distance from center of column
S	Stroke in mm	1	Overload range
2	Ideal load range	3	Underload range

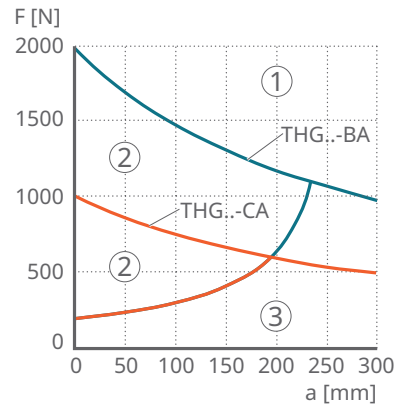
9 Offset load diagram THG1..-CD



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F	Load	a	Load distance from center of column
S	Stroke in mm	1	Overload range
2	Ideal load range	3	Underload range

10 Offset load diagram THG1..-BA, THG1..-CA



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F	Load	a	Load distance from center of column
1	Overload range	2	Ideal load range
3	Underload range		

Accessories

3 Accessories THG

Accessories	Ordering designation	Order number
Upper mounting plate for 2-piece guide tube unit	SPL-264265	0125688
Lower mounting plate for 2-piece guide tube unit	SMT-264363	0124814
Upper mounting plate for 3-piece guide tube unit	SPL-264265	0125688
Lower mounting plate for 3-piece guide tube unit	SPL-264237	0125622
Fastening screw for mounting plate, M6×30 (4 screws/plate required)	ZBE-510709	0125560

Ordering key

11 Ordering designation THG

THG 1 0 - B A 2 1 0 - 000

Type

Voltage

- 0 DC 24 V
- 1 DC 24 V with integrated current shutdown, available on request

Load

- B 2000 N
- C 1000 N, available on request

Guide tube unit

- A 2-piece
- D 3-piece

Stroke S

- 2 200 mm
- 3 300 mm
- 4 400 mm
- 5 500 mm
- 6 600 mm
- 7 700 mm

Cable/connecting plug

- 1 Straight cable, 10 m, jack plug, available on request
- 2 Straight cable, 2.3 m, jack plug
- A Spiral cable, 0.6 m, jack plug, available on request
- 3 Straight cable, 1.0 m, DIN-8 plug
- 4 Straight cable, 2.3 m, DIN-8 plug
- B Spiral cable, 0.6 m, DIN-8 plug

Option

- 0 No option
- A Single Hall encoder, 8 pulses, cable with jack plug
- B Potentiometer, 1 kΩ, 2 watts, 0.25% linearity, 10 turns (3-piece guide tube unit only), available on request
- C Cable feedthrough, 5 × 0.75 mm², top +160 mm, bottom +800 mm, available on request
- D Cable feedthrough, single Hall encoder, 8 pulses, cable with jack plug, available on request
- E Cable feedthrough, potentiometer (3-piece guide tube unit only), available on request
- F Dual Hall encoder, cable with DIN-8 plug, available on request
- G Cable feedthrough, dual Hall encoder, cable with DIN-8 plug, available on request

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