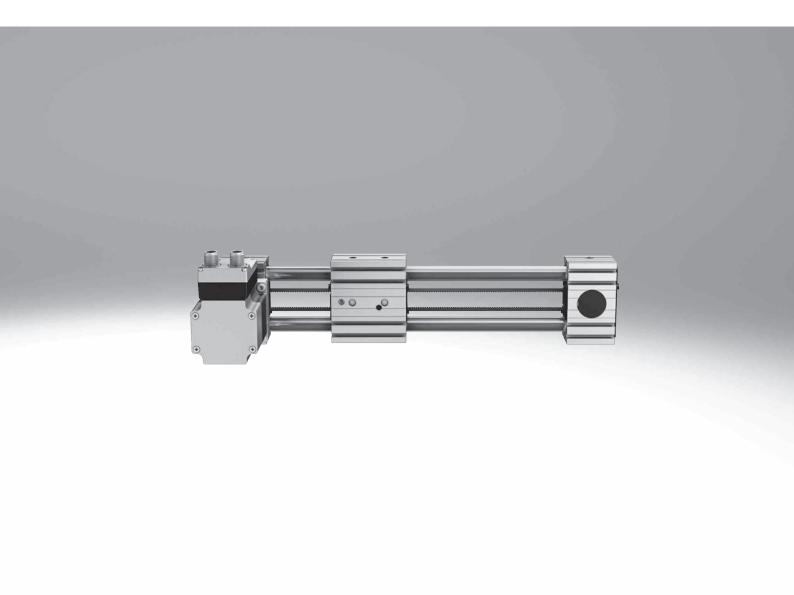
Toothed belt axis units ELGE







Key features

At a glance

Plug and work with the Simplified Motion Series



The simplicity of pneumatics is now combined for the first time with the advantages of electric automation thanks to the Simplified Motion Series. These integrated drives are the perfect solution for all users who are looking for an electric alternative for very simple movement and positioning tasks between two mechanical end positions, but don't want the commissioning process for traditional electric drive systems that can often be quite complex.

Integrated

The integrated electronics in the drive are at the core of the Simplified Motion Series.

Single

For commissioning, simply set all relevant parameters directly on the drive:

- · Speed and force
- Reference end position and cushioning
- Manual operation

IO-Link

There is no need for any software since operation is simply based on the "plug and work" principle. Digital I/O (DIO) and IO-Link are always automatically included – a product with two types of control as standard.

Standardised

Electrical connection via M12 plug design

- Power (4-pin): power supply for the motor
- Logic (8-pin): control signal, sensor signal and power for the integrated electronics

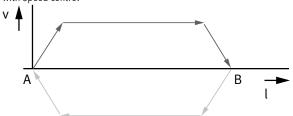
Connected

Use of extended functions possible via IO-Link:

- Motion parameters can be set remotely
- Copy and backup function for transferring parameters
- Read function for extended process parameters

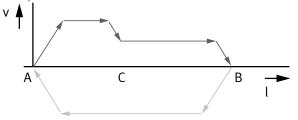
The functions of the Simplified Motion Series

Basic profile for movement between two end positions: with speed control



- These drives are designed for simple movements between two end positions.
- Proximity switches are required in order to implement any intermediate positions.

Extended motion profile for simplified press-fitting and clamping functions: with speed and force control



The products in the Simplified Motion Series

Spindle axis unit ELGS-BS-KF



Toothed belt axis unit ELGS-TB-KF



Mini slide unit EGSS-BS-KF



Toothed belt axis unit ELGE



Electric cylinder unit

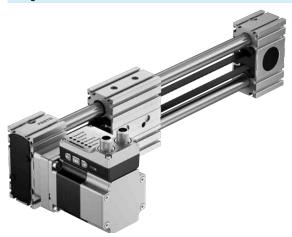


Rotary drive unit ERMS



Key features

At a glance



- Without external servo drive: all the necessary electronic components are combined in the integrated drive
- Two control options integrated as standard: digital I/O and IO-Link
- Complete solution for simple movements between two mechanical end positions
- Protected against external influences by internal guide
- Simplified commissioning: all parameters can be manually set directly on the drive
- · No special expertise required for commissioning
- End position feedback similar to that of a conventional proximity switch is integrated as standard
- Free choice of flexible motor mounting on four sides
- Cost-optimised design for tasks that require simpler yet highly cost-efficient solutions with a service life of 5,000 km

Modular and flexible with motor, motor mounting kit and servo drive

This product is also available within the Optimised Motion Series as toothed belt axis ELGR-TB:

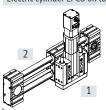


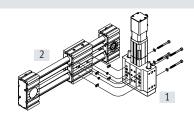
Toothed belt axes for tasks that require simpler yet highly cost-efficient solutions in cost-optimised design with a long service life. Ideal for pick & place tasks and for transporting small loads of less than 15 kg.

- 1 driven slide, optionally additional, freely movable slides
- Extended guide, additional mounting options
- Free choice of flexible motor mounting on 4 sides
- Guide variants: recirculating ball bearing guide for moderate loads or plain-bearing guide for low loads
- Modular: individual combinations with motor, motor mounting kit and servo drive

Possible combinations with Festo drives

Electric cylinder EPCO on toothed belt axis unit ELGE

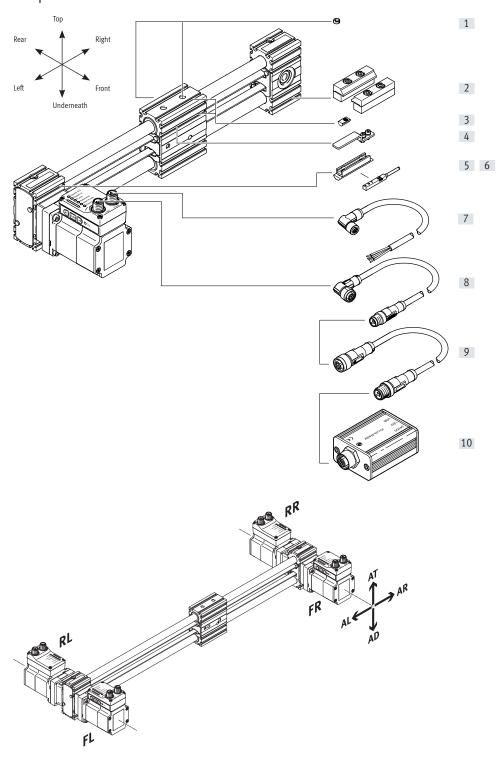




Size		Accessories			
[1] EPCO	[2] ELGE	Slot nut	Centring sleeve	Screw	Washer
16	35	NST-3-M3 (x4)	ZBH-7 (x2)	M3x10 (x4)	-

NEW

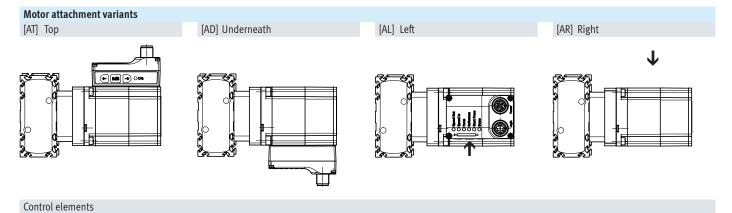
Peripherals overview

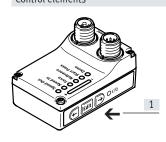


Peripherals overview

Accessories				
	Type/order code	Description	→ Page/Internet	
[1]	Centring sleeve	For centring loads and attachments on the slide	21	
	ZBH	2 centring sleeves included in the scope of delivery of the axis		
[2]	Profile mounting MUE	For mounting the axis on the bearing cap	20	
[3]	Slot nut NST	For mounting attachments	21	
[4]	Switch lug ¹⁾ EAPM-L4-SLS	For sensing the slide position	20	
[5]	Sensor bracket ¹⁾ EAPM-L4-SHS	Adapter for mounting the inductive proximity switches on the axis	20	
[6]	Proximity switch, T-slot ¹⁾ SIES-8M	 Inductive proximity switch, for T-slot 1 switch lug and 1 sensor bracket are included in the scope of delivery with the order code SA, SB 	21	
[7]	Supply cable NEBL-T12	For connecting load and logic supply	22	
[8]	Connecting cable NEBC-M12	For connection to a controller	22	
[9]	Adapter NEFC-M12G8	Connection between the motor and the IO-Link master	22	
[10]	IO-Link master USB CDSU-1	For straightforward use of the mini slide unit via IO-Link	22	

¹⁾ Proximity switches are optional and only required in order to sense any intermediate positions.





[1] Pushbutton actuators for parameterisation and control

Type codes

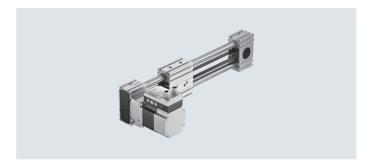
001	Series
ELGE	Gantry axis
002	Drive system
TB	Toothed belt
003	Guide
	Recirculating ball bearing guide
	Recirculating ball bearing guide
004	Size
35	35
005	Stroke
50	50
100	100
150	150
200	200
250	250
300	300
350	350
400	400
450	450
500	500
550	550
600	600
650	650
700	700
750	750
800	800
006	Stroke reserve
0H	0 mm
007	Motor type
ST	Stepper motor ST
008	Controller
M	Integrated
009	Control panel
	Integrated

010	Bus protocol/activation
PLK	PNP and IO-Link®
NLK	NPN and IO-Link®
011	End-position sensing
AA	With integrated end-position sensing
012	Cable outlet direction
AT	Тор
AD	Underneath
AL	Left
AR	Right
013	Motor position
FR	Front right
FL	Front left
RR	Rear right
RL	Rear left
014	Profile mounting
MA	12
015	Proximity sensor, inductive, slot 8, N/O contact, cable 7.5 m
SA	06
016	Proximity sensor, inductive, slot 8, N/C contact, cable 7.5 m
SB	16
017	Slot nut for mounting slot
NM	199
018	Electrical accessories
	None
L1	Adapter for operation as IO-Link® device
019	Operating instructions
019	
017	With operating instructions



- **Ø** - Size 35

- Stroke length 50 ... 800 mm



General technical data		
Size		35
Design		Electromechanical axis with toothed belt and integrated drive
Motor type		Stepper motor
Guide	-	Recirculating ball bearing guide
Mounting position		Horizontal
Working stroke	[mm]	50 800
Stroke reserve	[mm]	0
Additional functions		Integrated end-position sensing
		User interface
Display		LED
Homing		Positive fixed stop block
		Negative fixed stop block
Type of mounting	,	With female thread
		With accessories
		With centring pin, centring sleeve
Max. line length		
Inputs/outputs	[m]	15
IO-Link operation	[m]	20

Mechanical data		
Size		35
Max. payload	[kg]	2.8
Max. feed force F _x	[N]	50
Speed ¹⁾	[m/s]	1.2
Max. acceleration	[m/s ²]	8.5
Repetition accuracy	[mm]	±0.1
Position sensing		For proximity switch
		Via IO-Link

¹⁾ It is not possible to reach the maximum speed of 1.2 m/s with strokes < 250 mm.

Toothed belt		
Size		35
Pitch	[mm]	2
Elongation ¹⁾	[%]	0.094
Effective diameter	[mm]	18.46
Feed constant	[mm/rev.]	58

1) At max. feed force

Electrical data		
Size		35
Motor		
Nominal voltage DC	[V]	24 (±15%)
Nominal current	[A]	5.3
Max. current consumption (load)	[A]	5.3
Max. current consumption (logic)	[mA]	300
Encoder		
Rotor position encoder		Absolute encoder, single turn
Rotor position sensor measuring principle		Magnetic
Rotor position encoder resolution	[bit]	16

Interfaces		
Size		35
Parameterisation interface		
IO-Link		Yes
User interface		Yes
Digital inputs		
Number		2
Switching logic		PNP
		NPN
Properties		Not galvanically isolated
		Configurable
Specification		Based on IEC 61131-2, type 1
Working area	[V]	24
Digital outputs		
Number		2
Switching logic		PNP
		NPN
Rotor position encoder		Absolute encoder, single turn
Properties		Not galvanically isolated
		Configurable
Max. current	[mA]	100

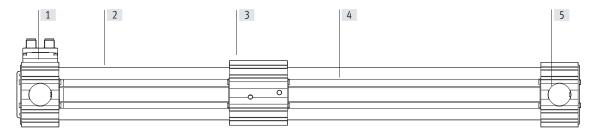
Technical data — IO-Link		
Size		35
SIO-mode support	•	Yes
Communication mode		COM3 (230.4 kBaud)
Connection technology		Plug
Port class		A
Number of ports		1
Process data width OUT	[bytes]	2
Process data content OUT	[bit]	1 (Move in)
	[bit]	1 (Move out)
	[bit]	1 (Quit Error)
Process data width IN	[bytes]	2
Process data content IN	[bit]	1 (State Device)
	[bit]	1 (State Move)
	[bit]	1 (State in)
	[bit]	1 (State out)
Service data contents IN	[bit]	32 (Force)
	[bit]	32 (Position)
	[bit]	32 (Speed)
Minimum cycle time	[ms]	1
Data memory required	[Kilobyte]	0.5
Protocol version		sDevice V 1.1

Operating and environmental conditions	5	
Size		35
Insulation class		В
Ambient temperature	[°C]	0+50
Storage temperature	[°C]	-20 +60
Note on ambient temperature		Above an ambient temperature of 30°C, the power must be reduced by 2% per K
Temperature monitoring		Switch-off for excessive temperature
		Integrated precise CMOS temperature sensor with analogue output
Relative humidity	[%]	0 90
Protection class		
Degree of protection		IP20
Duty cycle	[%]	100
CE marking		To EU EMC Directive
		To EU RoHS Directive
KC mark		KC-EMV
Certification		RCM mark
Vibration resistance		Transport application check with severity level 1 to FN 942017-4 and EN 61800-2 and EN 61800-5-1
Shock resistance		Shock test with severity level 1 to FN 942017-5 and EN 61800-2
Maintenance interval		Life-time lubrication

Weight		
Size		35
Basic weight with 0 mm stroke	[g]	2490
Additional weight per 10 mm stroke	[g]	25
Additional weight of moving mass	[g]	0.31
per 10 mm stroke		

Materials

Sectional view



Axis		
[1]	Bearing cap, profile	Anodised wrought aluminium alloy
[2]	Guide rods	Hardened and hard-chromium plated tempered steel
[3]	Slide, profile	Anodised wrought aluminium alloy
[4]	Toothed belt	Polychloroprene with glass cord and nylon coating
[5]	Belt pulley	High-alloy stainless steel
	Note on materials	RoHS-compliant
		Contains paint-wetting impairment substances

Pin allocation

Power supply

Plug

M12x1, 4-pin, T-coded to EN 61076-2-111



Pin	Function	
1	Power supply (24 V DC)	
2	Reference potential, power supply (GND)	
3	Reserved, do not connect	
4	Functional earth (FE)	

Logic interface

Plug

M12x1, 8-pin, A-coded to EN 61076-2-101

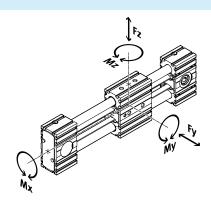


When used with digital I/O							
Pin	Function						
1	Logic power supply (24 V DC)						
2	2 Digital output 1 (State "In")						
3	Digital output 2 (State "Out")						
4	Reference potential, logic power supply (GND)						
5	Digital input 1 (Move "In")						
6	Digital input 2 (Move "Out")						
7	Reserved, do not connect						
8	Reference potential, logic power supply (GND)						

When used with IO-Link								
Pin	Function							
1 L+ IO-Link power supply (24 V DC)								
2 Reserved, do not connect								
3	C/Q communication with the IO-Link master							
4	L – Reference potential, IO-Link power supply (0 V)							
5	Reserved, do not connect							
6	Reserved, do not connect							
7	Reserved, do not connect							
8	L – Reference potential, IO-Link power supply (0 V)							

Characteristic load values

The indicated forces and torques refer to the centre of the guide. The point of application of force is the point where the centre of the guide and the longitudinal centre of the slide intersect. These values must not be exceeded during dynamic operation. Special attention must be paid to the deceleration phase.



Max. permissible force	s and torques for the b	pearing calculation, for a service life of 5000 km
Size		35
Fy _{max} .	[N]	50
Fz _{max} .	[N]	50
Mx _{max} .	[Nm]	2.5
My _{max} .	[Nm]	8
Mz _{max} .	[Nm]	8



Note

For a guide system to have a service life of 5000 km, the load comparison factor must have a value of $fv \le 1$, based on the maximum permissible forces and torques for a service life of 5000 km.

This formula can be used to calculate a guide value.

The engineering software "PositioningDrives" is available

for more precise calculations → www.festo.com

If the axis is subjected to two or more of the indicated forces and torques simultaneously, the following equation must be satisfied in addition to the indicated maximum loads:

Calculating the load comparison factor:

$$f_v = \frac{\left|F_{y1}\right|}{F_{y2}} + \frac{\left|F_{z1}\right|}{F_{z2}} + \frac{\left|M_{x1}\right|}{M_{x2}} + \frac{\left|M_{y1}\right|}{M_{y2}} + \frac{\left|M_{z1}\right|}{M_{z2}} \leq 1$$

 $F_1/M_1 = dynamic value$

 $F_2/M_2 = maximum value$

NEW Toothed belt axis units ELGE

Data sheet

Calculating the service life

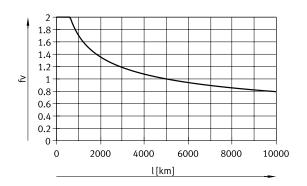
The service life of the guide depends on the load. To be able to make a statement as to the service life of the guide, the graph below plots the load comparison factor fv against the service life.

These values are only theoretical. You must consult your local Festo contact for a load comparison factor fv greater than 1.

Load comparison factor fv as a function of service life l

Example:

A user wants to move an x kg load. Using the formula (→ page 5) gives a value of 1.5 for the load comparison factor fv. According to the graph, the guide would have a service life of approx. 1500 km. Reducing the acceleration reduces the My and Mz values. A load comparison factor fv of 1 now gives a service life of 5000 km.



Service life of the motor

The service life of the motor at nominal power is 20000 h.

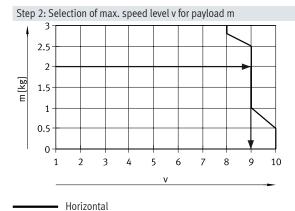
Sizing example

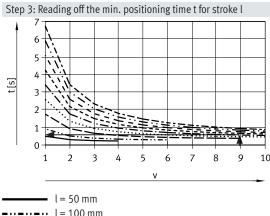
Application data:

- Payload: 2 kg
- Mounting position: Horizontal
- Stroke: 600 mm
- Max. permitted positioning time: 1 s (one direction)

Step 1: Selection of the size from the table \rightarrow page 7

Mechanical data									
	Size		35						
	Max. payload	[kg]	2.8						





l = 50 mm
l = 100 mm
l = 200 mm
l = 300 mm
l = 400 mm
l = 500 mm
l = 600 mm
l = 700 mm
l = 800 mm

→ Max. speed level for payload: level 9

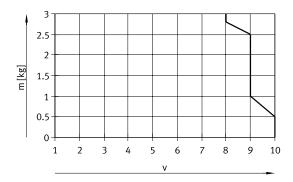
 \rightarrow Min. positioning time for 600 mm at level 9: 0.75 s

Result

The application can be implemented using ELGE-TB-35-600. A minimum positioning time (one direction) of 0.75 s is achieved. Longer positioning times can be selected at any time using a lower speed level.

Mass m as a function of speed level v

Size 35



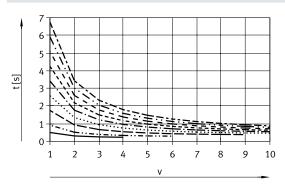
----- Horizontal

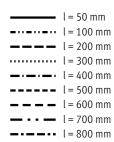
Note:

The lines represent the maximum values. The lower speed levels can be set at any time

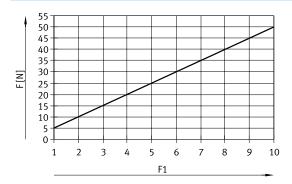
Positioning time t as a function of speed level v and stroke l

Size 35



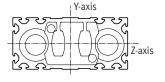


Feed force F as a function of force level F1



ELGE-TB-35

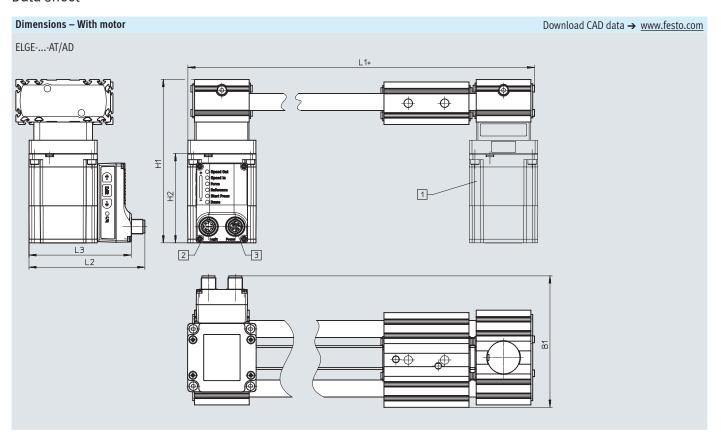
2nd moment of area

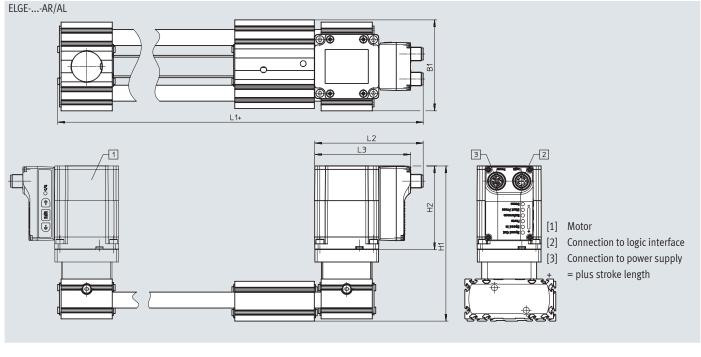


	Size		35				
ľ	ly	[mm ⁴]	4.19x10 ³				
	Iz	[mm ⁴]	3.77x10 ³				

Recommended deflection limits

Adherence to a maximum deflection of 0.5 mm is recommended so as not to impair the functional performance of the axes. Greater deformation can result in increased friction, greater wear and reduced service life.

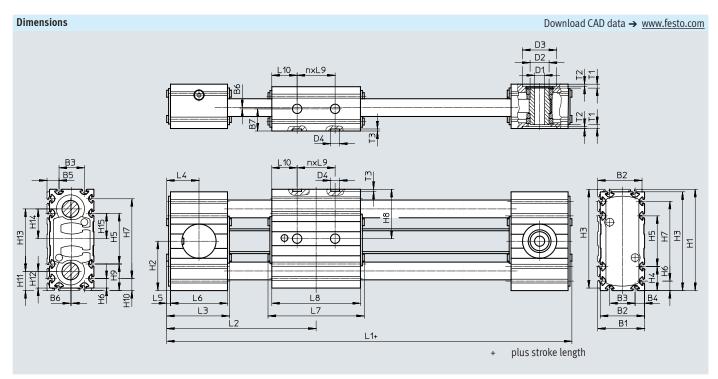




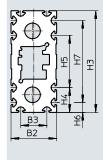
Size	B1	H1	H2	L1	L2	L3
ELGEAT-FL	108.3	134.5	73.5	180.7	95.6	84.3
ELGEAD-FR	108.3	134.5	73.5	180.7	95.6	84.3
ELGEAR-RR	80	136.5	73.5	219.8	95.6	84.3
ELGEAL-RL	80	136.5	73.5	219.8	95.6	84.3

NEW Toothed belt axis units ELGE

Data sheet







Size	B1	B2	В3	B4	B5	В6	B7	D1 Ø H7	D2 Ø	D3 Ø H7	D4 Ø H7	H1	H2	Н3	H4	Н5	Н6
35	37	35	20	7.5	9.5	1	17.5	8	15	27	7	80	39	78	19	40	7.5
Size	H7	Н8	Н9	H10	H11	H12	H13	H14	H15	L3	L4	L5	L6	L9	T1	T2	T3 +0.1
35	63	39	21	9.5	15.5	13.5	49	23.5	20	51	25.5	3	45	30	3.1	1.6	1.6
Size		L1			L2			L7		L8	3		L10			n	
35		178			89			76		70)		20			1	

NEW

Ordering data

Ordering data				
	Size	Stroke	Part no.	Туре
	35	100	8083931	ELGE-TB-35-100-0H-ST-M-H1-PLK-AA-AT-FR
		200	8083932	ELGE-TB-35-200-0H-ST-M-H1-PLK-AA-AT-FR
		300	8083933	ELGE-TB-35-300-0H-ST-M-H1-PLK-AA-AT-FR
		400	8083934	ELGE-TB-35-400-0H-ST-M-H1-PLK-AA-AT-FR
		500	8083935	ELGE-TB-35-500-0H-ST-M-H1-PLK-AA-AT-FR
		600	8083936	ELGE-TB-35-600-0H-ST-M-H1-PLK-AA-AT-FR

Toothed belt axis units ELGE

NEW

Ordering data

Ordering table				
Size	35	Conditions	Code	Ent
Module no.	8083929			
Series	ELGE		ELGE	ELC
Drive system	Toothed belt		-TB	-TE
Guide	Recirculating ball bearing guide			
Size	35			
Stroke [mm]	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800			
Stroke reserve [mm]	0		-OH	-01
Motor type	Stepper motor ST		-ST	-S1
Controller	Integrated		-M	-M
Control panel	Integrated		-H1	-H
Bus protocol/control	NPN and IO-Link		-NLK	
	PNP and IO-Link		-PLK	
End-position sensing	With integrated end-position sensing		-AA	-A
Cable outlet direction	Тор		-AT	
	Underneath		-AD	
	Left		-AL	
	Right		-AR	
Motor position	Front left		-FL	
	Front right		-FR	
	Rear left		-RL	
	Rear right		-RR	
Profile mounting	None			
	12		+MA	
Proximity switch (SIES), inductive, slot	None			
type 8, N/O contact, cable 7.5 m, in-				
cluding switch lug and sensor bracket	16		SA	
Proximity switch (SIES), inductive, slot	None			
type 8, N/C contact, cable 7.5 m, in-				
cluding switch lug and sensor bracket	16		SB	
Slot nut for mounting slot	None			
	1 99		NM	
Electrical accessories	None			
	Adapter for operation as IO-Link device		+L1	
Operating instructions	With operating instructions			
	Without operating instructions		DN	

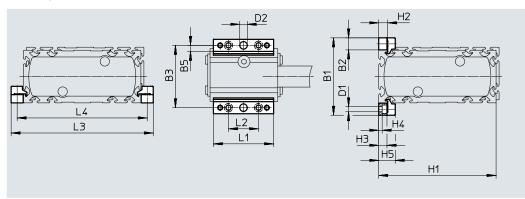
Accessories

Profile mounting MUE

(order code MA)

Material: Anodised aluminium RoHS-compliant





Dimensions and ord	Dimensions and ordering data													
For size	B1	B2	В3	B5	D1	D2	H1	H2	Н3	H4				
					Ø	Ø H7								
35	51	8	43	4	3.4	5	78	6	5.5	2.3				

For size	H5	L1	L2	L3	L4	Weight [g]	Part no.	Туре
35	11	40	20	94	86	20	558042	MUE-50

Sensor bracket EAPM-...-SHS Switch lug EAPM-...-SLS

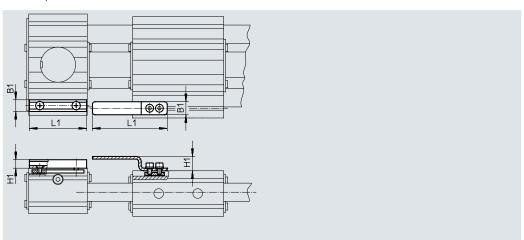
(order code SA/SB)

Material:

Switch lug: Galvanised steel Sensor bracket: Anodised wrought

aluminium alloy RoHS-compliant





Dimensions and ord	ering data							
For size	B1	H1	L1	Weight	Part no.	Туре		
				[g]				
Sensor bracket	Sensor bracket							
35	9	6.5	44	20	567537	EAPM-L4-SHS		
Switch lug	Suiteh lug							
				I				
35	10	11	57.5	15	567538	EAPM-L4-SLS		

Accessories

Ordering data	For size	Comment	Order code	Part no.	Туре	PE ¹⁾	
Slot nut NST							
	35	For mounting slot	NM	558045	NST-3-M3	1	
Centring sleeve ZBH ²⁾	Centring sleeve ZBH ²⁾						
6	35	For slide	-	186717	ZBH-7	10	

- 1) Packaging unit
- 2) 2 centring sleeves included in the scope of delivery of the axis

Ordering data – Pro	oximity switches for T-	slot, inductive					Data sheets → Internet: sies
	Type of mounting	Electrical connection	Switching output	Cable length [m]	Order code	Part no.	Туре
N/O contact							
	Insertable in the	Cable, 3-wire	PNP	7.5	SA	551386	SIES-8M-PS-24V-K-7,5-OE
S	slot from above,	Plug M8x1, 3-pin	1	0.3	-	551387	SIES-8M-PS-24V-K-0,3-M8D
	flush with the	Cable, 3-wire	NPN	7.5	_	551396	SIES-8M-NS-24V-K-7,5-OE
	cylinder profile	Plug M8x1, 3-pin		0.3	-	551397	SIES-8M-NS-24V-K-0,3-M8D
N/C contact							
	Insertable in the	Cable, 3-wire	PNP	7.5	SB	551391	SIES-8M-PO-24V-K-7,5-OE
S	slot from above,	Plug M8x1, 3-pin	1	0.3	_	551392	SIES-8M-PO-24V-K-0,3-M8D
	flush with the	Cable, 3-wire	NPN	7.5	_	551401	SIES-8M-NO-24V-K-7,5-OE
	cylinder profile	Plug M8x1, 3-pin		0.3	_	551402	SIES-8M-NO-24V-K-0,3-M8D

Ordering data – Co	nnecting cables				Data sheets → Internet: nebu
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part no.	Туре
			[iii]		
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541333	NEBU-M8G3-K-2.5-LE3
3			5.0	541334	NEBU-M8G3-K-5-LE3
	Angled socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541338	NEBU-M8W3-K-2.5-LE3
			5.0	541341	NEBU-M8W3-K-5-LE3



- Note

Proximity switches are optional and only required in order to sense any intermediate positions.

Accessories

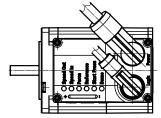
Ordering data -	Ordering data – Supply cables Data sheets → Internet: nebl					
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part no.	Туре	
	Angled socket, M12x1, 4-pin	Cable, open end, 4-wire	2	8080778	NEBL-T12W4-E-2-N-LE4	
			5	8080779	NEBL-T12W4-E-5-N-LE4	
			10	8080780	NEBL-T12W4-E-10-N-LE4	
			15	8080781	NEBL-T12W4-E-15-N-LE4	
	Straight socket, M12x1, 4-pin	Cable, open end, 4-wire	2	8080790	NEBL-T12G4-E-2-N-LE4	
32)			5	8080791	NEBL-T12G4-E-5-N-LE4	
			10	8080792	NEBL-T12G4-E-10-N-LE4	
,			15	8080793	NEBL-T12G4-E-15-N-LE4	

Ordering data –	Ordering data – Connecting cables Data sheets → Internet:					
	Electrical connection, left	Electrical connection, right	Cable length	Part no.	Туре	
			[m]			
	Angled socket, M12x1, 8-pin	Cable, open end, 8-wire	2	8094476	NEBC-M12W8-E-2-N-B-LE8	
			5	8094478	NEBC-M12W8-E-5-N-B-LE8	
			10	8094481	NEBC-M12W8-E-10-N-B-LE8	
			15	8094479	NEBC-M12W8-E-15-N-B-LE8	
		Straight plug, M12x1, 8-pin	2	8080786	NEBC-M12W8-E-2-N-M12G8	
			5	8080787	NEBC-M12W8-E-5-N-M12G8	
Market 1			10	8080788	NEBC-M12W8-E-10-N-M12G8	
			15	8080789	NEBC-M12W8-E-15-N-M12G8	
	Straight socket, M12x1, 8-pin	Cable, open end, 8-wire	2	8094480	NEBC-M12G8-E-2-N-B-LE8	
With the state of			5	8094477	NEBC-M12G8-E-5-N-B-LE8	
			10	8094482	NEBC-M12G8-E-10-N-B-LE8	
			15	8094475	NEBC-M12G8-E-15-N-B-LE8	
		Straight plug, M12x1, 8-pin	2	8080782	NEBC-M12G8-E-2-N-M12G8	
1 DELLE -20			5	8080783	NEBC-M12G8-E-5-N-M12G8	
ODE			10	8080784	NEBC-M12G8-E-10-N-M12G8	
			15	8080785	NEBC-M12G8-E-15-N-M12G8	



- Note

The cables are positioned at a 45° angle to the axis.



Ordering data –	a – IO-Link master USB Description			Part no.	Data sheets → Internet: cdsu
	·				
91.19	For using the unit with IO-Link An external power supply plug is additionally required (not in scope of delivery)			8091509	CDSU-1
Ordering data –	Adapter				Data sheets → Internet: nefc
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part no.	Туре
OLIT OLIT OLIT OLIT OLIT OLIT OLIT OLIT	Straight socket, M12x1, 8-pin	Straight plug, M12x1, 5-pin	0.3	8080777	NEFC-M12G8-0.3-M12G5-LK

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