Linear drives SLG, flat design

Key features

General

- Piston ø 8, 12 and 18
- Stroke lengths from 100 ... 900 mm
- Choice of two cushioning types:
  - Elastic cushioning
  - Shock absorber
- Direct mounting via centring holes
- Extremely flat design
- Integrated precision guide
- Slide with polished surface
- High load capacity
- Adjustable end stops
- Versatile supply port options
- Suitable for multiple-axis applications with other mini slides

The technology in detail

[1] End stops:
Finely-adjustable end stops over entire stroke range

[2] Guide rail:
Very accurate, precise and rigid guide unit: stainless steel roller track pressed into aluminium profile with ball guide

[3] Slide:
Interface for attachments. Very flexible thanks to wide choice of mounting and attachment options

[4] Cushioning:
With rubber buffer or with shock absorber. The cushioning elements are inserted into the slide and fixed.

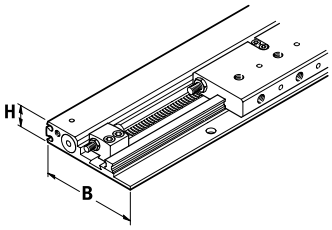
[5] Supply port:
Option on three sides

[6] Slot for integrated proximity switches SME-/SMT-10

Design

The flat linear drive SLG

The height H remains the same even if the intermediate-position module is used.



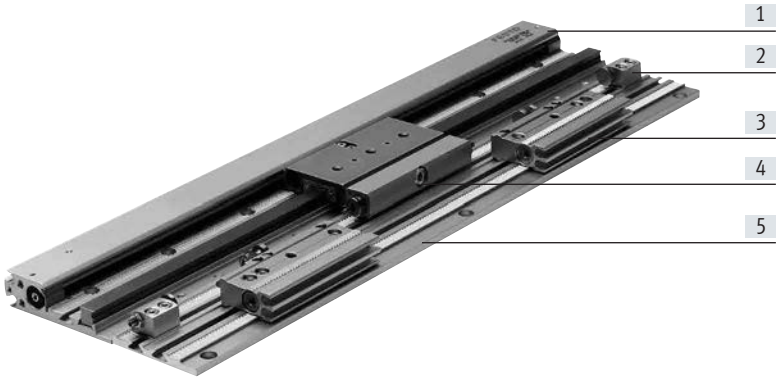
Piston ø	Width (W)	x	Height (H)
8 mm	53.5	x	**15 mm**
12 mm	64.5	x	**18.5 mm**
18 mm	85.5	x	**25.5 mm**

Key features

Intermediate positions – simple and inexpensive

- The intermediate-position module can be used for advancing to one or more intermediate positions
- It is mounted parallel to the linear drive SLG via an additional profile rail. This also simplifies retrofitting.
- Precision adjustment of the intermediate position is carried out via a stop screw with lock nut
- With two modules the same position can be approached from either direction
- The intermediate positions can be freely selected across the entire stroke range (observe minimum distances)
- The module's symmetry means that it can advance to the right or left once mounted
- It can be activated and sensed before the movement starts
- The intermediate position (activated or initial position) can be sensed contactlessly using integrated proximity switches in the module housing
- Up to 4 modules can be ordered via the SLG modular product system
- The slide must be retracted once the intermediate position is reached. The stop on the module can then swivel back into its initial position

Completely assembled with two intermediate positions

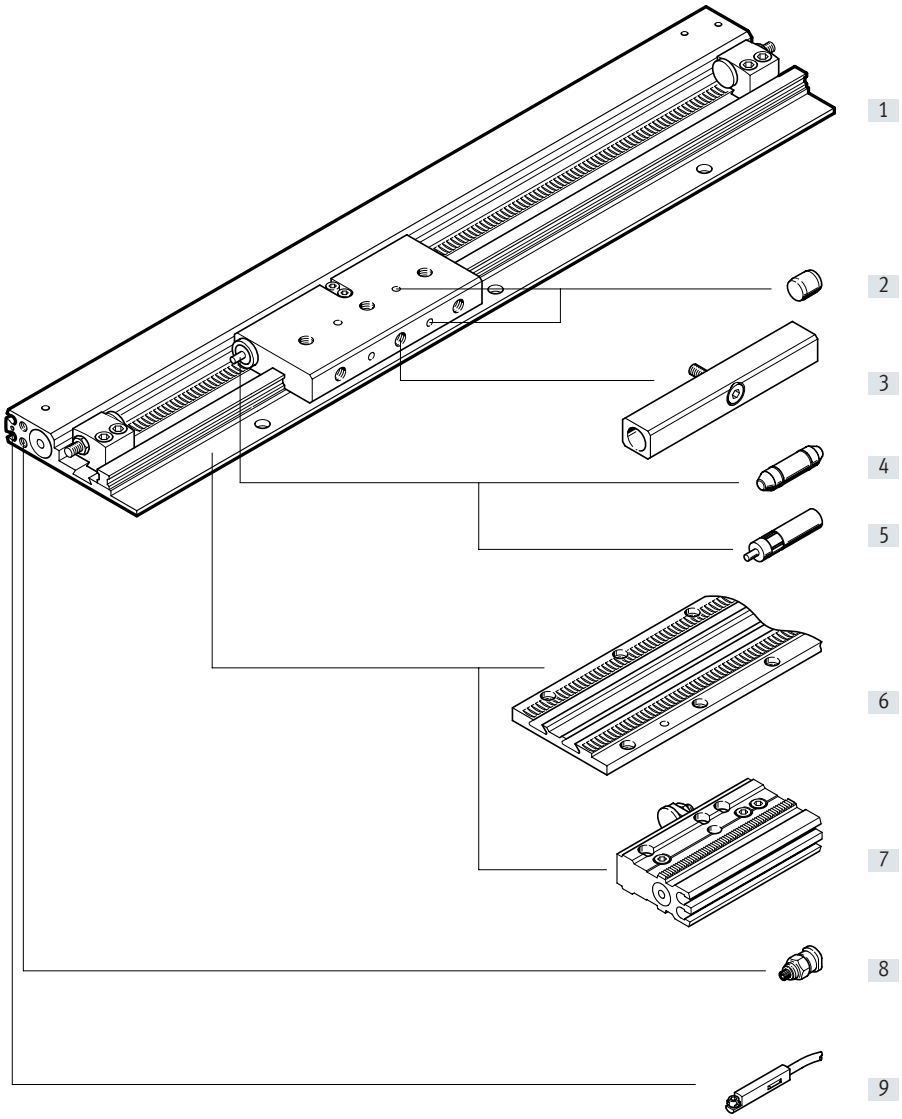


[1] Linear drive
[2] End stop
[3] Intermediate-position module SLG-Z: The stop with buffer screw is retracted and advanced by a 90° swivel motion based on a double-acting semi-rotary drive (rack and pinion principle). The module is fastened to the mounting rail using screws and slot nuts.
[4] Cushioning mount SLG-D: The mount holds the rubber buffers or shock absorbers and is attached to the slide of the SLG. The use of shock absorbers YSRG (Accessories ➔ page 25) is recommended to ensure accurate positioning of stops and in the case of the vertical mounting positions.
[5] Mounting rail SLG-S: The rail is used for mounting the intermediate-position modules. It can also accommodate the end stops of the linear drive SLG. The gear teeth on the rail and module permit rough pre-adjustment with respect to the drive SLG.

Note

The intermediate-position module can also be used independently of the linear drive SLG. In this case, the module is simply mounted on any flat surface using retaining screws and dowel pins and can then be used universally as an autonomous intermediate-position module in numerous applications.

Peripherals overview



Peripherals overview

Variants and accessories

	Type	Description	→ Page/Internet
[1]	Linear drive SLG	Drive without accessories	6
[2]	Centring pin ZBS	For centring loads and attachments on the slide	25
[3]	Cushioning mount SLG-D	For fastening the rubber buffers or shock absorbers in combination with the intermediate-position module	23
[4]	Rubber buffer SLG	Non-adjustable, elastic cushioning. Only used for low speeds	25
[5]	Shock absorber YSRG	Self-adjusting, hydraulic shock absorber with spring return and linear cushioning characteristics	25
[6]	Mounting rail SLG-S	For fastening the intermediate-position modules and end stops	24
[7]	Intermediate-position module SLG-Z	Fixed stop for the intermediate position	16
[8]	One-way flow control valve GRLA	The small distance between the supply ports means that only certain one-way flow control valves can be used	26
[9]	Proximity switch SME-/SMT-10	The proximity switches are fitted in the profile slot. so that they do not protrude	26

Type codes

001	Series	
SLG	Linear drive	

002	Piston diameter	
8	8	
12	12	
18	18	

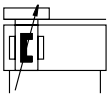
003	Stroke	
...	100 ... 900	

004	Cushioning	
P	Elastic cushioning rings/plates on both sides	
YSR	Self-adjusting shock absorber	

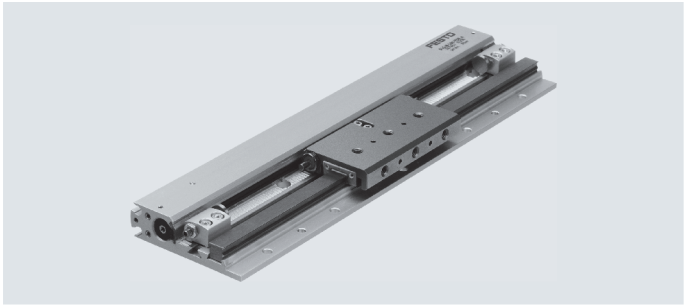
005	Position sensing	
A	For proximity sensor	

006	Intermediate position	
Z1	1 intermediate position	
Z2	2 intermediate positions	
Z3	3 intermediate positions	
Z4	4 intermediate positions	

Data sheet



- Ø - Diameter
  8 ... 18 mm
- | - Stroke length
  100 ... 900 mm



General technical data				
Piston Ø		8	12	18
Stroke[1]	[mm]	100 ... 500	100 ... 700	100 ... 900
Pneumatic connection		M3		M5
Mode of operation		Double-acting		
Operating medium		Compressed air to ISO 8573-1:2010 [7:–:–]		
Note on operating/ pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)		
Design		Rodless drive		
Cushioning		Elastic cushioning rings/pads at both ends		
→ Page 10		Self-adjusting at both ends		
Position sensing		Via proximity switch		
Type of mounting		Direct mounting		
Mounting position		Any		
Driver principle		Slotted cylinder, mechanically coupled		
Guide		Guide rail with slide		
Max. speed	[m/s]	1		1.5

1) Intermediate strokes are infinitely adjustable with stops

Operating and environmental conditions				
Piston Ø		8	12	18
Operating pressure	[bar]	2.5 ... 8	2 ... 8	1 ... 8
Ambient temperature[1]	[°C]	–10 ... +60		

1) Note operating range of proximity switches

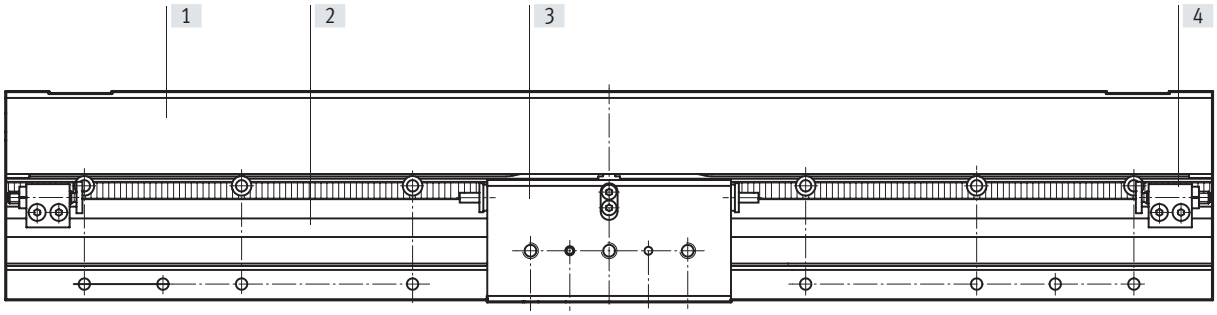
Forces [N]			
Piston Ø	8	12	18
Theoretical force at 6 bar	30	68	153

Data sheet

Weight [g]			
Piston ø	8	12	18
Basic weight per 0 mm stroke With cushioning P	215	410	965
Basic weight per 0 mm stroke With cushioning YSR	225	420	995
Additional weight per 10 mm stroke	11.5	17.5	29.5
Moving mass With cushioning P	80	160	440
Moving mass With cushioning YSR	90	170	470

Materials

Sectional view

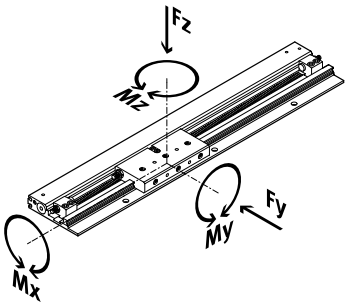


Linear drives		
[1]	Profile barrel	Anodised aluminium
[2]	Guide	High-alloy steel
[3]	Slide	High-alloy steel
[4]	Stop housing	Anodised aluminium
–	Seals	Polyurethane
	Note on materials	Free of copper and PTFE

Data sheet

Characteristic load values

The indicated forces and torques refer to the centre of the guide rail.



If the drive is simultaneously subjected to several of the indicated forces and torques, the following equation must be satisfied in addition to the indicated maximum loads:

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

Permissible forces [N] and torques [Nm]				
Piston ø		8	12	18
$Fy_{max.}$	[N]	255	565	930
$Fz_{max.}$	[N]	255	565	930
$Mx_{max.}$	[Nm]	1	3	7
$My_{max.}$	[Nm]	3.5	9	23
$Mz_{max.}$	[Nm]	3.5	9	23

Torsional backlash [°] at the respective torques			
Piston ø	8	12	18
At $Mx_{max.}$	±0.03	±0.04	±0.05
At $My_{max.}$	±0.005	±0.007	±0.007
At $Mz_{max.}$	±0.005	±0.007	±0.007

Note

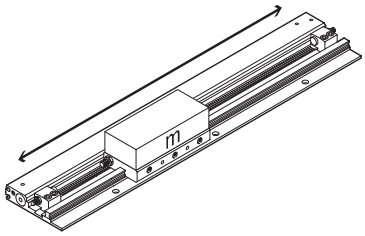
Engineering software
ProDrive
→ www.festo.com

Data sheet

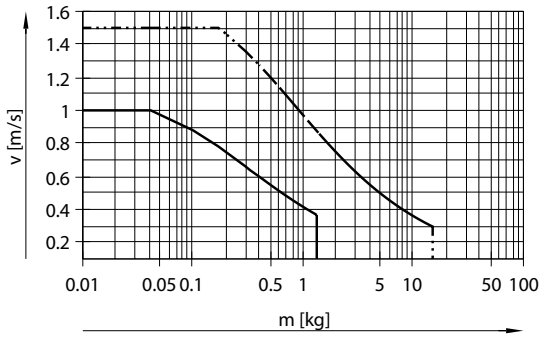
Maximum permissible piston speed v as a function of payload m when the unit is operated horizontally

As a function of operating pressure and end-position cushioning system

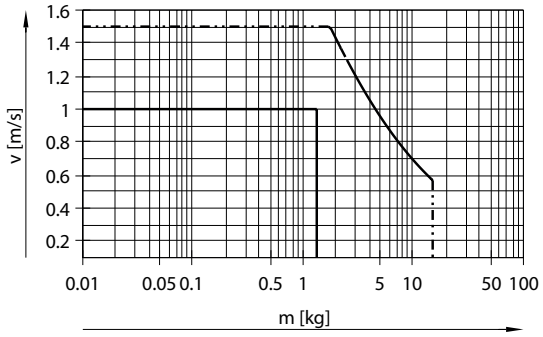
A linear drive SLG with cushioning YSR (shock absorbers YSRG) must be used in applications requiring very high repetition accuracy.



Cushioning P



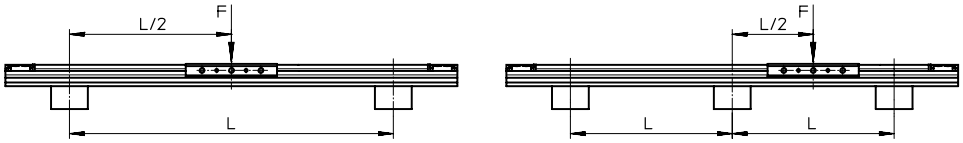
Cushioning YSR



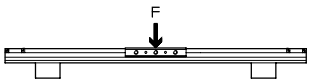
Data sheet

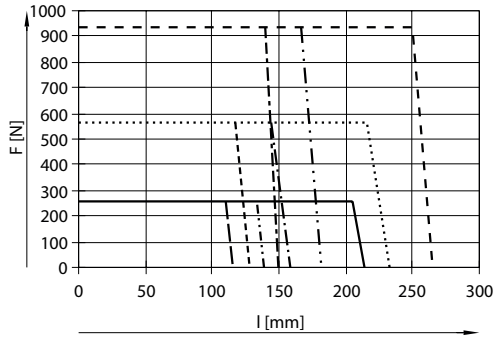
Determining the required points of support as a function of the weight force F

The support spacings L must be laid out in such a way that the mounting profile for the intermediate-position module will be subject to less deflection than the drive itself.



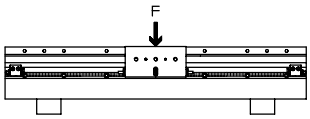
Deflection around the X axis

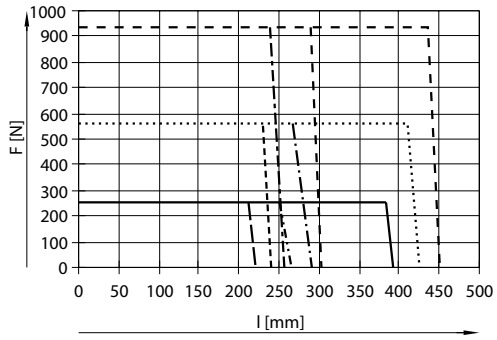




- SLG-8; f = 0.5 mm
- SLG-8; f = 0.1 mm
- SLG-8; f = 0.05 mm
- SLG-12; f = 0.5 mm
- SLG-12; f = 0.1 mm
- SLG-12; f = 0.05 mm
- SLG-18; f = 0.5 mm
- SLG-18; f = 0.1 mm
- SLG-18; f = 0.05 mm

Deflection around the Y axis





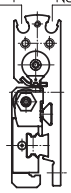
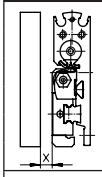
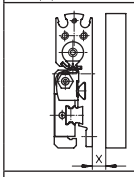
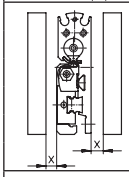
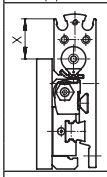
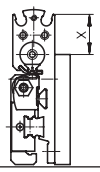
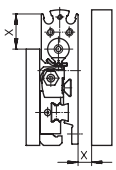
- SLG-8; f = 0.5 mm
- SLG-8; f = 0.1 mm
- SLG-8; f = 0.05 mm
- SLG-12; f = 0.5 mm
- SLG-12; f = 0.1 mm
- SLG-12; f = 0.05 mm
- SLG-18; f = 0.5 mm
- SLG-18; f = 0.1 mm
- SLG-18; f = 0.05 mm

Flatness of the bearing surface

The contact points between the surface supporting the linear drive SLG and the linear drive should not be more than 100 mm apart or should provide support over its entire length, and should be flat to within at least 0.1 mm. The support surface for the payload on the slide should be flat to within at least 0.05 mm.

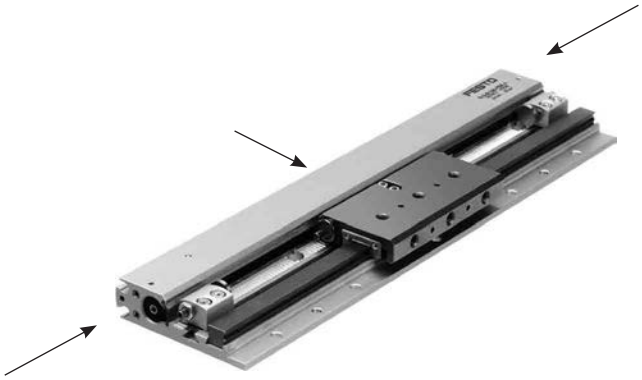
Data sheet

Minimum clearances between linear drives SLG and ferritic materials for reliable functioning of the proximity switches

		Nut 1 Nut 2  Slot	Minimum clearances in [mm] x	 y
	SLG-8	1	5	–
		2	5	–
	SLG-12	1	6	–
		2	5	–
	SLG-18	1	5	–
		2	5	–
	SLG-8	1	5	–
		2	10	–
	SLG-12	1	5	–
		2	6	–
	SLG-18	1	5	–
		2	5	–
	SLG-8	1	7	–
		2	10	–
	SLG-12	1	10	–
		2	10	–
	SLG-18	1	5	–
		2	5	–
	SLG-8	1	14	–
		2	12	–
	SLG-12	1	16	–
		2	1	–
	SLG-18	1	2	–
		2	2	–
	SLG-8	1	7	–
		2	17	–
	SLG-12	1	1	–
		2	17	–
	SLG-18	1	1	–
		2	12	–
	SLG-8	1	11	17
		2	15	17
	SLG-12	1	7	16
		2	10	16
	SLG-18	1	5	12
		2	5	12

Data sheet

Permissible spanner widths for the compressed air fittings



In general

The following spanner widths can be used on the side and end face:

SLG-8:	⊂ 5.5 ... 8
SLG-12:	⊂ 5.5 ... 8
SLG-18:	⊂ 8 ... 10

Restrictions on the end face

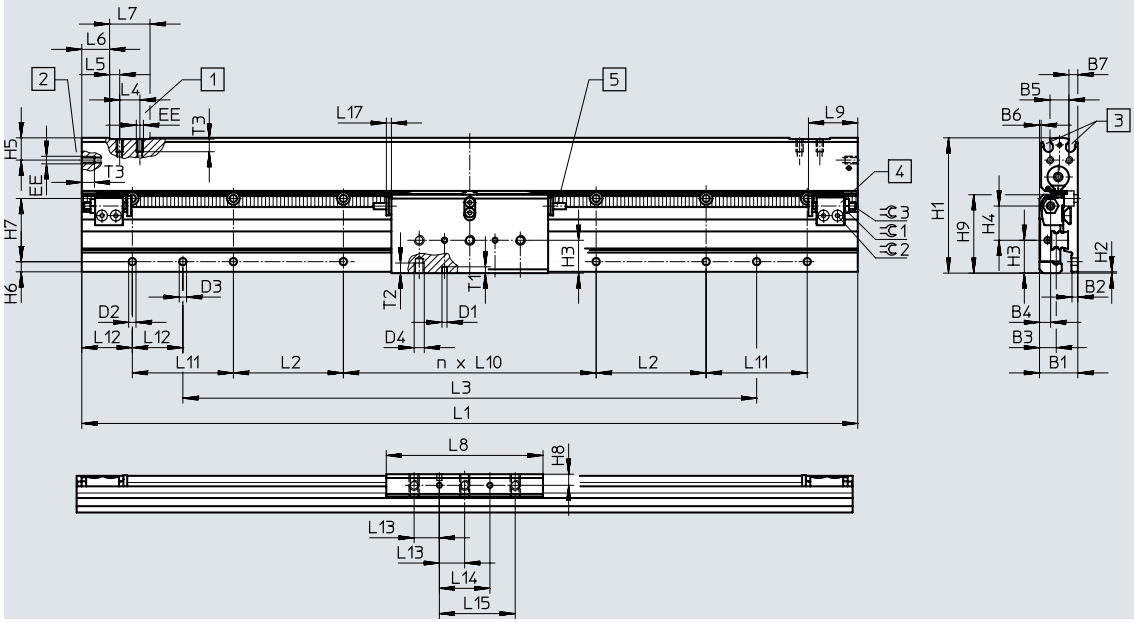
With supply ports at both ends, the fittings protrude from the top or bottom of the profile. With the supply port at one end only, the connector threads are too close to one another for the fittings.
The following spanner widths can therefore only be used in certain conditions:

SLG-8:	⊂ 8
SLG-12:	⊂ 8
SLG-18:	⊂ 10

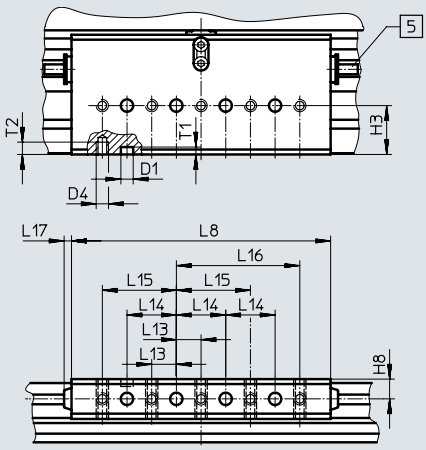
Data sheet

Dimensions Download CAD data ➔ www.festo.com

SLG-8/-12/-18



Slide SLG-18



[1] Supply port on the side
[2] Supply port on the end face
[3] Slot for proximity switch SME/SMT-10
[4] Stop
[5] Shock absorber YSR or rubber buffer (cushioning P)

Data sheet

	B1	B2	B3	B4	B5	B6	B7	D1[1] Ø H7	D2 Ø	D3[1] Ø H7	D4	EE	H1	H2
SLG-8	15	2.5	6.6	4.4	7.5	0.65	3.5	2	3.4	3	M4	M3	53.5	0.5
SLG-12	18.5	2.6	7.9	5.2	8.5	0.5	4.75	2	3.4	3	M4	M3	64.5	0.5
SLG-18	25.5	3.5	13.3	8	13.2	1.6	5.4	5	4.5	5	M5	M5	85.5	0.5

	H3	H4	H5	H6	H7	H8	H9	L2	L4	L5	L6	L7	L8	L9 min.
SLG-8	13	13.6	8.8	3.9	25	4.4	31	43.5	10	5	10	20	62	20
SLG-12	15.9	16.5	9.5	4.3	30	5.25	36.7	56.5	10	5	10	20	80	23.5
SLG-18	19.8	21.7	11.5	4.1	40	8	48.5	75.5	12	6	13	24	105	29

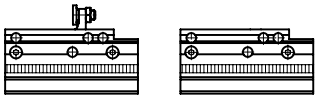
	L10	L11	L12	L13 ±0.1	L14 ±0.02	L15 ±0.1	L16 ±0.1	L17	T1	T2 min.	T3	⌭1	⌭2	⌭3
SLG-8	100	40	20	10	20	30	–	2	2.5	4	4.5	5.5	1.5	1.5
SLG-12	100	40	20	10	20	30	–	2	2.5	4	4.5	7	2	2
SLG-18	100	40	20	10	20	30	50	3	3	5	6	8	2.5	2.5

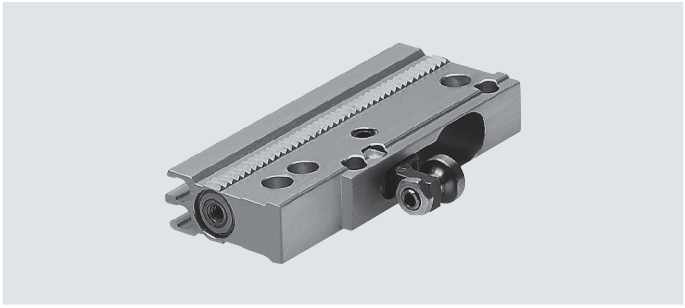
1) Locating hole for centring pins ZBS

	n	L1	L3
SLG-8-100	0	207	127
SLG-8-200	1	307	227
SLG-8-300	2	407	327
SLG-8-400	3	507	427
SLG-8-500	4	607	527
SLG-12-100	0	233	153
SLG-12-200	1	333	253
SLG-12-300	2	433	353
SLG-12-400	3	533	453
SLG-12-500	4	633	553
SLG-12-600	5	733	653
SLG-12-700	6	833	753
SLG-18-100	0	271	191
SLG-18-200	1	371	291
SLG-18-300	2	471	391
SLG-18-400	3	571	491
SLG-18-500	4	671	591
SLG-18-600	5	771	691
SLG-18-700	6	871	791
SLG-18-800	7	971	891
SLG-18-900	8	1071	991

Data sheet – Intermediate-position module SLG-Z

Function





General technical data				
Piston ø		8	12	18
Pneumatic connection		M3		
Mode of operation		Double-acting		
Operating medium		Compressed air to ISO 8573-1:2010 [7:–:–]		
Note on operating/ pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)		
Design		Rack-and-pinion rotary drive system as stop		
Precision adjustment of the intermediate position	[mm]	1.7		
Cushioning[1)]		→ Page 10		
Position sensing		Via proximity switch		
Type of mounting		Direct mounting		
Mounting position[2)]		Any		
Min. swivel time at 6 bar	[ms]	30		50
Max. frequency at 6 bar	[1/s]	16		10
Max. permissible impact velocity	[m/s]	1		1.5
Max. permissible end-stop impact force[3)]	[N]	320		600

1) The end position of the slide or another drive is not exactly defined when rubber buffers are used. Shock absorbers YSRG-... must be used for high repetition accuracy.
2) Shock absorbers YSRG-... must be used for high repetition accuracy as well as in non-horizontal movements. In the case of vertical mounting (stop pivoting out upwards), care must be taken to ensure that foreign matter cannot get into the pivoting range of the stop.
3) The max. stop force must act on the centre of the buffer screw disc. Lateral forces on the buffer screw are not permissible.

Operating and environmental conditions				
Piston ø		8	12	18
Operating pressure	[bar]	1 ... 8		
Ambient temperature[1)]	[°C]	–10 ... +60		

Max. permissible energy in the intermediate position				
Piston ø		8	12	18
With cushioning P	[Nm]	0.1		0.6
With cushioning YSR	[Nm]	1		3

Data sheet – Intermediate-position module SLG-Z

Weight [g]			
Piston ø	8	12	18
Basic weight	33.5		75
Moving mass	6		14.5

Materials

Intermediate-position module		
[1]	Housing	Hard-anodised aluminium
[2]	Stop	Nickel-plated steel
[3]	Buffer screw	High-alloy steel
–	Seals	Polyurethane

Mounting options on the linear drive				
Piston ø		8	12	18
Through-holes for direct mounting with screws to DIN 912	Intermediate-position module	M2.5		M3
	Cushioning mount	M4		M5
	Mounting rail	M3		M4
Centring pins	Intermediate-position module	ø 4H7		ø 5H7
	Cushioning mount	ø 2H7		ø 5H7
	Mounting rail	ø 3H7		ø 5H7

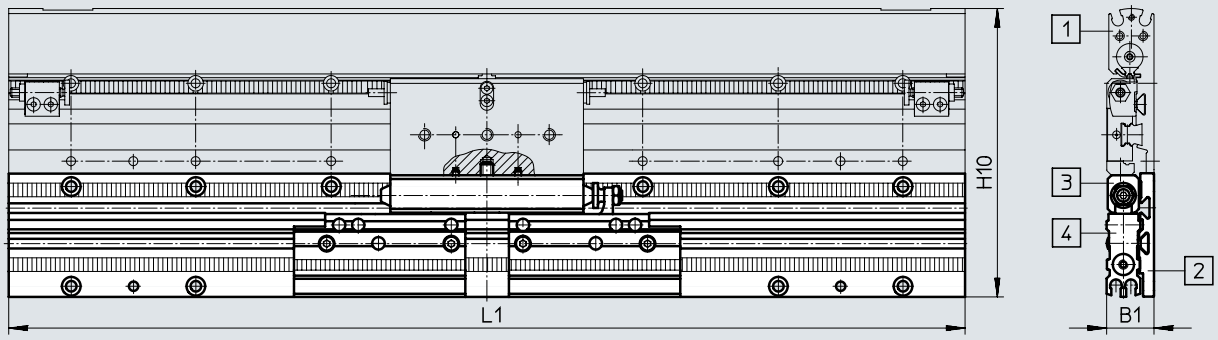
Note

The module's symmetrical design makes it suitable for travel in both directions.

Data sheet – Intermediate-position module SLG-Z

Dimensions Download CAD data ➔ www.festo.com

SLG-Z-.../SLG-D-.../SLG-S-...



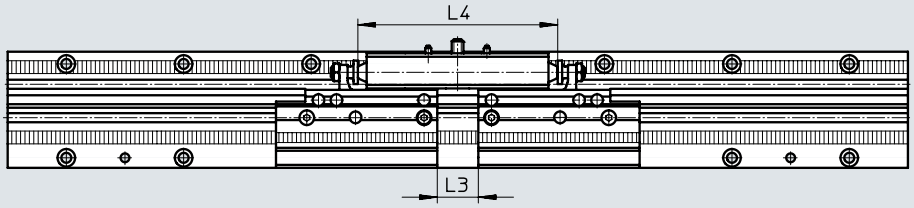
[1] Linear drive SLG
[2] Mounting rail SLG-S
[3] Cushioning mount SLG-D
[4] Intermediate position module SLG-Z

Type	B1	H10	L1
SLG-8-100	15	93.1	207
SLG-8-200			307
SLG-8-300			407
SLG-8-400			507
SLG-8-500			607
SLG-12-100	18.5	104.1	233
SLG-12-200			333
SLG-12-300			433
SLG-12-400			533
SLG-12-500			633
SLG-12-600			733
SLG-12-700			833
SLG-18-100	25.5	135.5	271
SLG-18-200			371
SLG-18-300			471
SLG-18-400			571
SLG-18-500			671
SLG-18-600			771
SLG-18-700			871
SLG-18-800			971
SLG-18-900			1071

Data sheet – Intermediate-position module SLG-Z

Dimensions Download CAD data ➔ www.festo.com

The same position approached from two directions

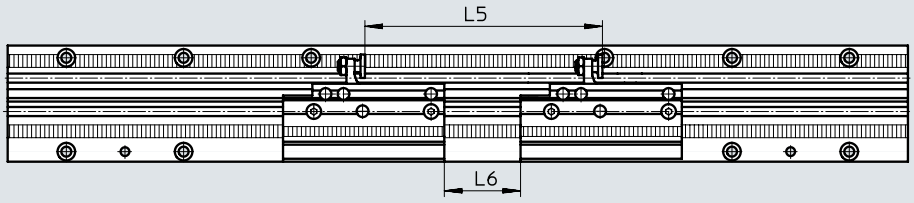


Piston Ø	L3[1]		L4
	min.	max.	
8[2]	21	27	68
12	39	45	86
18	50	56.5	111

1) Depends on the precision adjustment

2) Due to the narrowness of the space L3 only the following fittings can be used for the supply ports: 30 491 LCN-M3-PK-2-B

Two positions approached from the same direction



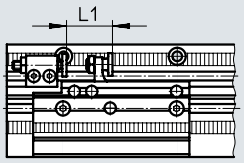
Note

The space for 2 intermediate positions can be reduced to 0 mm by turning the second module by 90° in the same plane (➔ page 21).

Piston Ø	L5 min.	L6[3]
8	90	32
12	90	
18	97	

3) The space between the modules can accommodate the following fittings for the supply port:
153 330 QSML-M3-3
153 332 QSML-M3-4
30 491 LCN-M3-PK-2-B
30 984 LCN-M3-PK-2

Space between end stop and intermediate-position module

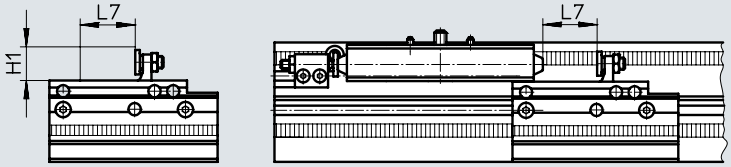


Piston Ø	L1 min.
8	20
12	
18	

Data sheet – Intermediate-position module SLG-Z

Dimensions Download CAD data ➔ www.festo.com

In different mounting planes



Care must be taken to ensure that each intermediate position module has sufficient space for the swivel movement in the specified range (both outwards and inwards) while it is swivelling. This corresponds to the distance (stroke) that the cushioning mount must travel from the intermediate position to ensure safe inward or outward swivelling of the stop (➔ page 21).

Piston ø	H1	L7	
		Cushioning P	Cushioning YSR
8	11	18	23
12	11	18	23
18	16	23	31

Maximum number of intermediate-position modules on one mounting rail

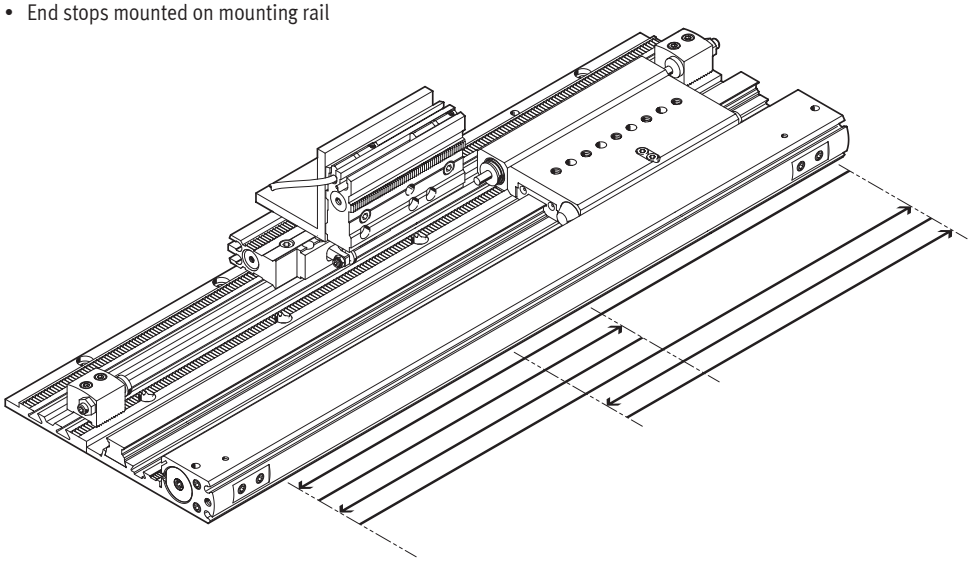
The number of intermediate-position modules that can be ordered via the modular product system in combination with the linear drive SLG is restricted to max. 4. If additional intermediate positions are required, further modules can be ordered separately (➔ page 23) and fitted in another mounting plane.

Piston ø	Stroke length of the mounting rail [mm]								
	100	200	300	400	500	600	700	800	900
8	2		3	4		–	–	–	–
12						4		–	–
18								4	

Data sheet – Intermediate-position module SLG-Z

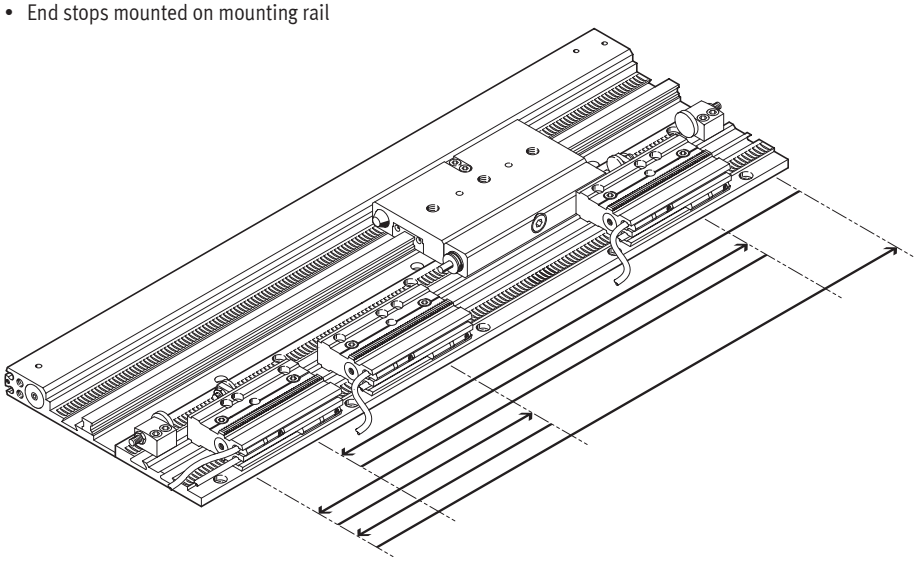
Linear drive SLG with 2 intermediate positions

- Modules in different mounting planes
- End stops mounted on mounting rail



Linear drive SLG with 3 intermediate positions

- Flat positioning
- End stops mounted on mounting rail



Ordering data – Modular product system

Ordering table

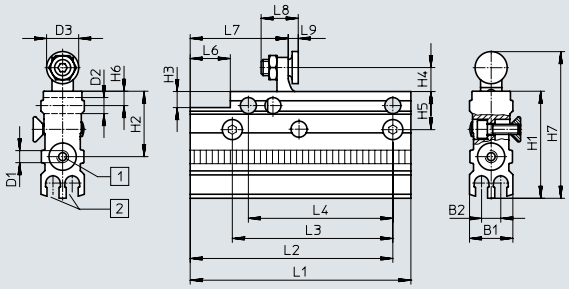
Size		8	12	18	Conditions	Code		Enter code
Module no.		**187857**	**187855**	**187853**				
Function		Rodless linear drive unit				**SLG**		SLG
Size	[mm]	8	12	18		**-...**		
Stroke	[mm]	100	100	100	[1]	**-100**		
		200	200	200	[1]	**-200**		
		300	300	300	[2]	**-300**		
		400	400	400		**-400**		
		500	500	500		**-500**		
		–	600	600		**-600**		
		–	700	700		**-700**		
		–	–	800		**-800**		
		–	–	900		**-900**		
Cushioning		Elastic cushioning rings in the end positions				**-P**		
		Shock absorbers in the end positions				**-YSR**		
Position sensing		Via proximity switch				**-A**		-A
Intermediate position		1 intermediate position				**-Z1**		
		2 intermediate positions				**-Z2**		
		3 intermediate positions				**-Z3**		
		4 intermediate positions				**-Z4**		

[1] 100, 200 Max. 2 intermediate positions.

[2] 300 Max. 3 intermediate positions.

Accessories

Intermediate-position module SLG-Z Technical data → Seite 16



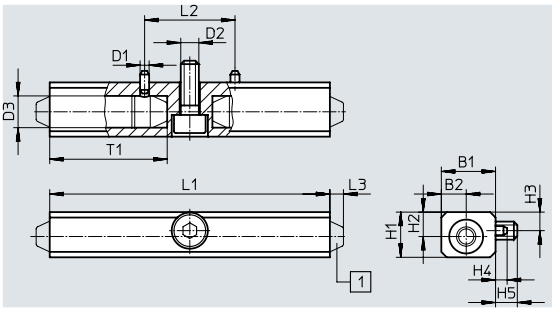
[1] Supply ports at both ends
[2] Slot for proximity switch SME/SMT-10

Dimensions and ordering data

For Ø	B1	B2	D1	D2 Ø H7	D3 Ø	H1	H2	H3	H4	H5	H6	H7	L1 +0.3
8, 12	10.8	4.8	M3	4	8	26.6	16.2	4	6	9.5	3.5	36.6	55
18	15.6	4.8	M3	5	10	29.6	19.2	–	9.6	11.5	4.3	44.2	62

For Ø	L2 ±0.1	L3 ±0.1	L4 ±0.02	L6	L7	L8	L9 min.	L9 max.	Weight [g]	Part no.	Type
8, 12	50.5	40	36	10	24.4	9.25	2.5	4.2	39.5	**525680**	**SLG-Z-8/12-A**
18	57.5	50	50	–	21.6	12	3.7	5.4	89.5	**525681**	**SLG-Z-18-A**

Cushioning mount SLG-D Material: Hard-anodised aluminium



[1] Rubber buffer or shock absorber

Dimensions and ordering data

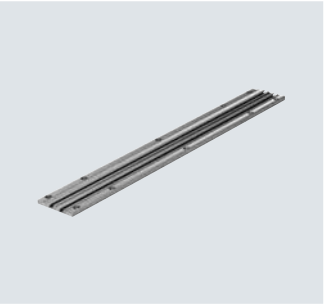
For Ø	B1	B2	D1 Ø H7/h8	D2	D3 Ø	H1	H2	H3 –0.1
8	11.5	5	2	M4	$7.5_{+0.05}$	10	5.4	4.1
12								
18	17	8	5	M5	$10_{+0.02}$	15	7.5	7.75

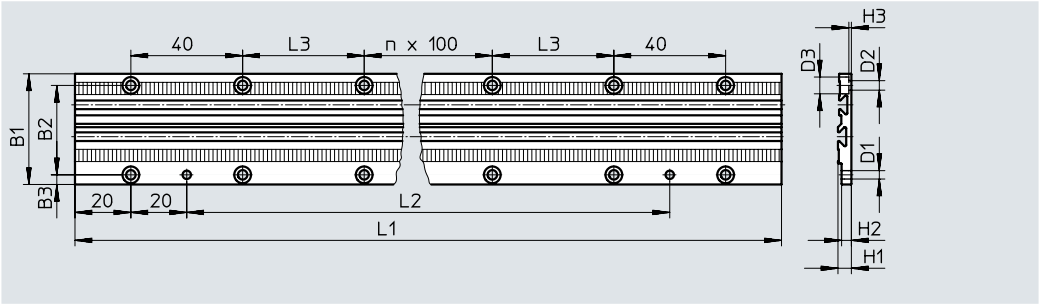
For Ø	H4	H5	L1	L2 ±0.02	L3	T1	Weight [g]	Part no.	Type
8	2.25	4.8	62	20	3	26	17/27.5[2]	**525703**	**SLG-D-8[1]**
12			80				22.5/33[2]	**525704**	**SLG-D-12[1]**
18	2	4.7	105	60	3	43	60/104[2]	**525705**	**SLG-D-18[1]**

1) Shock absorber elements are not included in the scope of delivery.
2) With P cushioning/with YSR cushioning

Accessories

Mounting rail SLG-S Material: Hard-anodised aluminium





Dimensions and ordering data

For Ø	Stroke [mm]	B1	B2	B3	D1 Ø H7	D2 Ø	D3 Ø	H1	H2	H3	n	L1	L2	L3	Weight [g]	Part no.	Type
8	100	39.6	32	3.4	3	3.4	6	4.8	3.5	0.9	0	207	127	43.5	73.5	**525682**	**SLG-S-8-100**
	200										1	307	227		109	**525683**	**SLG-S-8-200**
	300										2	407	327		144.5	**525684**	**SLG-S-8-300**
	400										3	507	427		180	**525685**	**SLG-S-8-400**
	500										4	607	527		215.5	**525686**	**SLG-S-8-500**
12	100	39.6	32	3.5	3	3.4	6	7.2	1.9	1.9	0	233	153	56.5	110.4	**525687**	**SLG-S-12-100**
	200										1	333	253		157.8	**525688**	**SLG-S-12-200**
	300										2	433	353		205.2	**525689**	**SLG-S-12-300**
	400										3	533	453		252.6	**525690**	**SLG-S-12-400**
	500										4	633	553		300	**525691**	**SLG-S-12-500**
	600										5	733	653		347.4	**525692**	**SLG-S-12-600**
	700										6	833	753		394.8	**525693**	**SLG-S-12-700**
18	100	50	40	4.75	5	4.5	7.5	10.3	9	2.5	0	271	191	75.5	245.6	**525694**	**SLG-S-18-100**
	200										1	371	291		336.2	**525695**	**SLG-S-18-200**
	300										2	471	391		426.8	**525696**	**SLG-S-18-300**
	400										3	571	491		517.4	**525697**	**SLG-S-18-400**
	500										4	671	591		608	**525698**	**SLG-S-18-500**
	600										5	771	691		698.6	**525699**	**SLG-S-18-600**
	700										6	871	791		789.2	**525700**	**SLG-S-18-700**
	800										7	971	891		879.8	**525701**	**SLG-S-18-800**
	900										8	1071	991		970.4	**525702**	**SLG-S-18-900**

Accessories

Rubber buffer SLG

Ordering data

For Ø	Weight [g]	Part no.	Type
8, 12	1.5	**379802**	**SLG-8/12**
18	6	**381219**	**SLG-18**

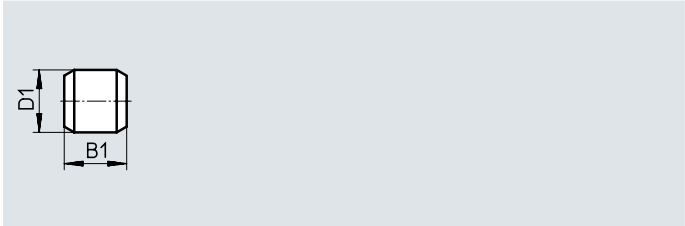
Shock absorber YSRG

Ordering data

For Ø	Weight [g]	Part no.	Type
8, 12	7	**381042**	**YSRG-5-5-C**
18	27	**384581**	**YSRG-8-8-C**

Centring pin ZBS

Material:
Stainless steel



Dimensions and ordering data

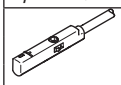
For Ø [mm]	B1 –0.2	D1 Ø h8	Weight [g]	Part no.	Type	PU[1]
8, 12	5	2	1	**525273**	**ZBS-2**	10
18	5	5	1	**150928**	**ZBS-5**	10

1) Packaging unit

Accessories

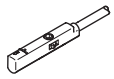
Ordering data – Proximity switch for C-slot, magneto-resistive

Data sheets → Internet: smt

	Type of mounting	Switching output	Electrical connection, outlet direction of connection	Cable length [m]	Part no.	Type
N/O contact						
	Inserted in the slot from above	PNP	Cable, 3-wire, lengthwise	2.5	**551373**	**SMT-10M-PS-24V-E-2.5-L-OE**
			Plug M8x1, 3-pin, in-line	0.3	**551375**	**SMT-10M-PS-24V-E-0.3-L-M8D**
			Plug M8x1, 3-pin, lateral	0.3	**551376**	**SMT-10M-PS-24V-E-0.3-Q-M8D**

Ordering data – Proximity switch for C-slot, magnetic reed

Data sheets → Internet: sme

	Type of mounting	Switching output	Electrical connection, outlet direction of connection	Cable length [m]	Part no.	Type
N/O contact						
	Inserted in the slot from above	Contacting	Plug M8x1, 3-pin, in-line	0.3	**551367**	**SME-10M-DS-24V-E-0.3-L-M8D**
			Cable, 3-wire, lengthwise	2.5	**551365**	**SME-10M-DS-24V-E-2.5-L-OE**
			Cable, 2-wire, lengthwise	2.5	**551369**	**SME-10M-ZS-24V-E-2.5-L-OE**

Ordering data – Connecting cables

Data sheets → Internet: nebu

	Electrical connection, left	Electrical connection, right	Cable length [m]	Part no.	Type
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	**541333**	**NEBU-M8G3-K-2.5-LE3**
			5	**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	**541341**	**NEBU-M8W3-K-5-LE3**

Ordering data – One-way flow control valves

Data sheets → Internet: grla

	Connection Thread	For tubing O.D.	Material	Part no.	Type
	M3	3	Metal design	**175041**	**GRLA-M3-QS-3**
	M5	4		**193138**	**GRLA-M5-QS-4-D**

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