

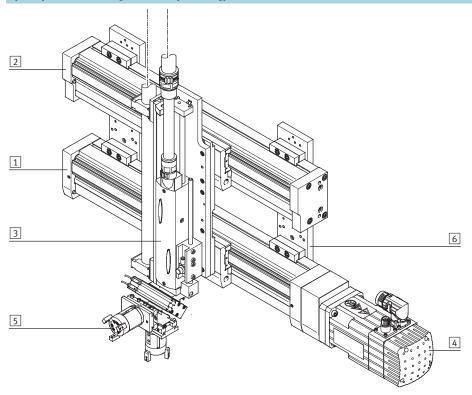


Key features

At a glance

- Driveless linear guide units with guide and freely movable slide
- The passive guide axis is designed to support force and torque capacity in multi-axis applications
- Higher torsional resistance
- Reduced vibrations with dynamic loads
- Drive axis and passive guide axis can be placed adjacent to or above one another

System product for handling and assembly technology



System components and a	System components and accessories								
	Brief description	→ Page/Internet							
1 Axes	Wide range of combinations possible within handling and assembly technology	axis							
2 Passive guide axes	For supporting force and torque capacity in multi-axis applications	passive guide axis							
3 Drives	Wide range of combinations possible within handling and assembly technology	drive							
4 Motors	Servo and stepper motors, with or without gear unit	motor							
5 Grippers	Wide range of variations possible within handling and assembly technology	gripper							
6 Adapters	For drive/drive and drive/gripper connections	adapter kit							

FESTO

Key features

Slide variants

Standard slide

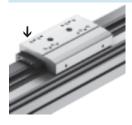






Guide options

Protected version



 The protected guide cleans the guide rail and protects the recirculating ball bearing guide with the aid of an additional wiper

With central lubrication



- The lubrication adapter enables the guide to be permanently lubricated using semi or fully automatic relubrication devices
- The adapters are suitable for oils and greases
- Both lubrication adapters must be connected

Clamping unit





- 1 or 2-channel design, for holding loads
- Reliable holding is guaranteed since the forces act directly on the slide
- A limited number of emergency braking operations are permissible with the sizes 120 and 185

Guide axes and the corresponding drives

Passive guide axis DGC-FA



- Can be combined with:
- Linear drive DGC-KF
- For size 8 ... 63
- Load capacity to max. 6,890 N or 380 Nm

Passive guide axis EGC-FA



- Can be combined with:
 - Toothed belt axis EGC-TB
 - Spindle axis EGC-BS
- For size 70 ... 185
- Load capacity to max. 15,200 N or 1,820 Nm

Passive guide axis FDG-ZR-RF



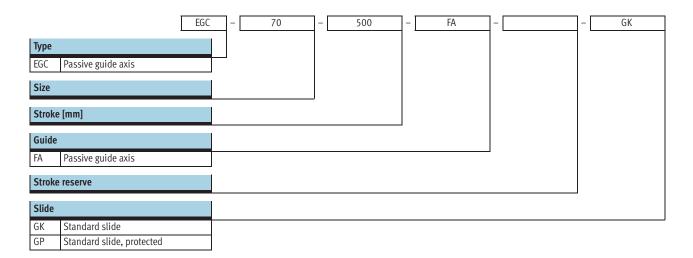
- Can be combined with:
- Toothed belt axis DGE-ZR-RF
- For size 25 ... 63
- Load capacity to max. 1,500 N or 600 Nm

Passive guide axis FDG-P/-ZR/-SP



- Can be combined with:
- Linear drive DGPL
- Toothed belt axis DGE-ZR-KF
- Spindle axis DGE-SP-KF
- For size 18 ... 63
- Load capacity to max. 14,050 N or 1,820 Nm

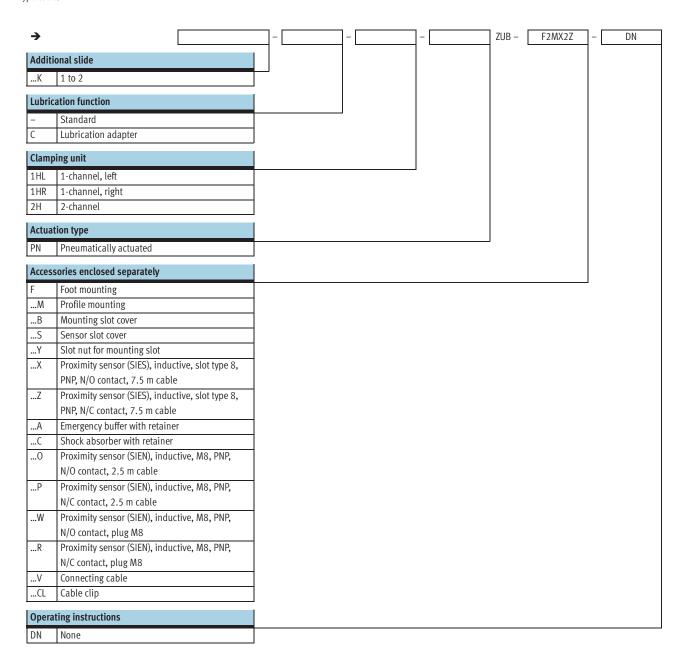
Passive guide axes EGC-FA, without drive Type codes



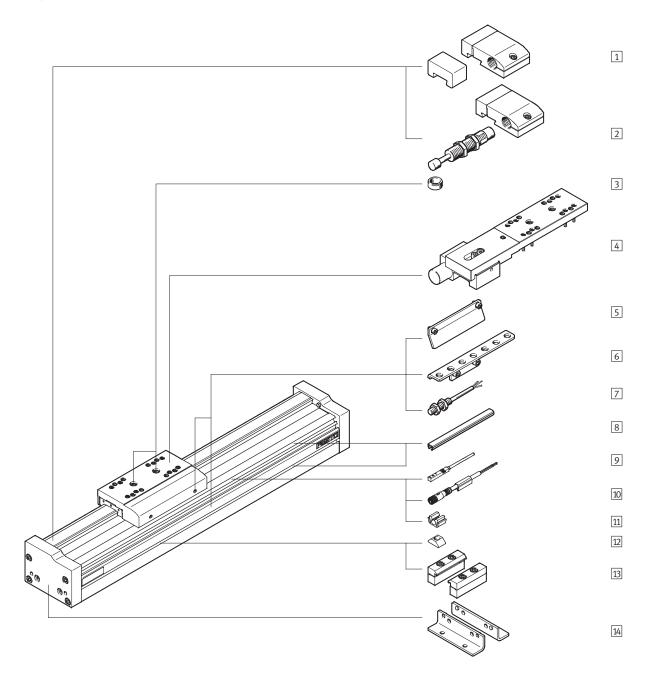


FESTO

Type codes



Passive guide axes EGC-FA, without drive Peripherals overview



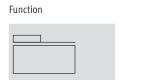
Passive guide axes EGC-FA, without drive Peripherals overview



	Туре	Brief description	→ Page/Internet
1	Emergency buffer with retainer	For avoiding damage at the end stop in the event of malfunction	30
	A		
2	Shock absorber with retainer	For avoiding damage at the end stop in the event of malfunction	30
	C		
3	Centring pin/sleeve	For centring loads and attachments on the slide	32
	ZBS, ZBH	• 2 centring pins/sleeves included in the scope of delivery of the axis	
	Clamping unit	For holding loads	9
	1HPN, 2H-PN		
	Switch lug	For sensing the slide position	30
	X, Z, O, P, W, R		
5	Sensor bracket	Adapter for mounting the inductive proximity sensors (round design) on the axis	31
	O, P, W, R		
7	Proximity sensor, M8	Inductive proximity sensor, round design	33
	O, P, W, R	• The order code O, P, W, R includes 1 switch lug and max. 2 sensor brackets in the scope of delivery	
3	Slot cover	For protecting against the ingress of dirt	32
	В, S		
	Proximity sensor, slot type 8	Inductive proximity sensor, for slot type 8	33
	X, Z	The order code X, Z includes 1 switch lug in the scope of delivery	
וכ	Plug socket with cable	For proximity sensor (order code W and R)	33
	V		
1	Clip	For mounting the proximity sensor cable in the slot	32
_	CL		
2	Slot nut	For mounting attachments	32
_	Υ		
3	Profile mounting	For mounting the axis on the profile	29
_	M	,	
	Foot mounting	For mounting the axis on the end cap	28
-	F	3	

Passive guide axes EGC-FA, without drive Technical data











General technical data								
Size		70	80	120	185			
Design		Passive axis	Passive axis					
Guide		Recirculating ball be	Recirculating ball bearing guide					
Mounting position		Any						
Working stroke								
EGCGK/-GP	[mm]	50 5,000	50 8 , 500	50 8,500	50 8,500			
Max. speed	[m/s]	5						
Max. acceleration	[m/s ²]	50						

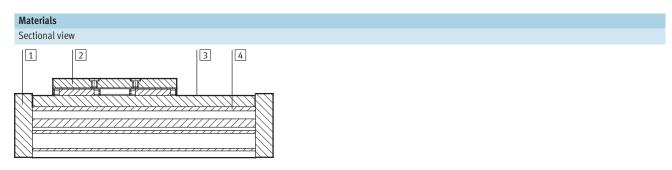
Operating and environmental conditions						
Ambient temperature	[°C]	-10 +60				
Protection class		IP40				

Weight [kg]								
Size	70	80	120	185				
Basic weight with 0 mm stroke ¹⁾								
EGCGK/-GP	1,200	2,000	7,300	20,800				
Additional weight per 1,000 mm stroke	4,200	6,200	15,000	29,000				
Moving load								
EGCGK/-GP	300	550	2,000	6,000				
Additional slide								
EGCK	300	550	2,000	6,000				
Clamping unit								
EGC1HPN		700	2,300	4,900				
EGC2H-PN	-	1,300	4,000	8,300				

¹⁾ Incl. slide



Passive guide axes EGC-FA, without drive Technical data



Axis		
1	End cap	Anodised wrought aluminium alloy
2	Slide	Anodised wrought aluminium alloy
3	Guide rail	High-alloy steel
4	Profile	Anodised wrought aluminium alloy
	Note on materials	RoHS-compliant
		Contains PWIS (paint-wetting impairment substances)

Technical data – Clamping unit				Dimensions → 20
Size		80	120	185
Pneumatic connection		M3	M5	M5
Clamping type		Clamping via spring force, relea	ased via compressed air	
Static holding force				
EGC1HPN	[N]	320	1,200	1,500
EGC2H-PN	[N]	640	2,400	3,000
Max. number of emergency braking opera-	[Nm]	-	750	750
tions ¹⁾			35	70
at reference energy				
Number of clamping operations under nominal	[million	0.45	0.05	> 1.4
load	switching cycles]			

¹⁾ Emergency braking refers to braking the effective load if the drive axis loses power.

Operating and environmental conditions - Clamping unit						
Operating medium		Compressed air according to ISO 8573-1:2010 [7:4:4]				
Operating pressure		·				
Clamping unit opened	[bar]	4.5 8				
Clamping unit closed	[bar]	Pressureless				
Ambient temperature	[°C]	-10 +60				

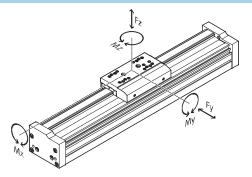
Technical data

Characteristic load values

The indicated forces and torques refer to the slide surface. 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 cushioning phase.

If the axis is subjected to more than two 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:

$$f_v = \frac{|F_{y,dyn}|}{F_{y,max}} + \frac{|F_{z,dyn}|}{F_{z,max}} + \frac{|M_{x,dyn}|}{M_{x,max}} + \frac{|M_{y,dyn}|}{M_{y,max}} + \frac{|M_{z,dyn}|}{M_{z,max}}$$

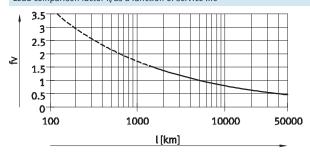
Permissible forces and torques								
Size			70	80	120	185		
Fy _{max} .		[N]	1,850	3,050	6,890	15,200		
Fz _{max}		[N]	1,850	3,050	6,890	15,200		
Mx _{max} .		[Nm]	16	36	144	529		
My _{max} .	GK/GP	[Nm]	51	97	380	1,157		
Mz _{max} .	GK/GP	[Nm]	51	97	380	1,157		

Service life

The service life of the guide depends on the load. To provide a rough indication of the service life of the guide, the graph below plots the load comparison factor f_{ν} against the service life.

These values are only theoretical. You must consult your local contact person at Festo for load comparison factors f_{ν} greater than 1.5.

Load comparison factor f_v as a function of service life



Example:

A user wants to move an X kg load. Using the above formula gives a value of 1.5 for the load comparison factor. According to the graph, the guide has a service life of approx.

1,500 km. Reducing the acceleration reduces the Mz and My values. A load comparison factor of 1 now gives a service life of 5,000 km.

- 🖣 - Note

PositioningDrives sizing software www.festo.com

The guide workload for a service life of 5,000 km can be calculated with the help of the sizing software.

 f_{ν} > 1.5 are only theoretical comparison values for the recirculating ball bearing guide.



Technical data

Stroke reserve Stroke length	Stroke reserve					
The selected stroke corresponds in principle to the required working stroke. The variant GK does not have a wiper seal on the guide. This variant therefore additionally has a safety distance between the drive cap and slide that is not designated as part of the working stroke.	A safety distance (similar to GK between the drive cap and slid be defined for the variants GP of C using the modular product sy via the "stroke reserve" feature the variant GK, the stroke reservafety distance are added for exposition.	freely selected and GK- ystem 2x stroke reserv the maximum w rve and	troke length and e must not exceed	Example: EGC-70-500-FA-20H Working stroke 2x stroke reserve Total length (540 mm = 500 mm + 2)		= 500 mm = 40 mm = 540 mm 20 mm)
Size	70	80	120		185	
L9 = safety distance with GK [mm] (per end position)	10.5	13	18		21	

Working stroke reduction

With standard slide GK/GP with additional slide K

- With a guide axis with additional slide, the working stroke is reduced by the length of the additional slide and the distance between both slides
- With the variant GP, the additional slide is also protected
- If the variant GK-C is ordered, the additional slide is also supplied with lubrication adapters

L16 = Slide length L17 = Additional slide length L18 = Distance between both slides

1 Additional slide

Example:

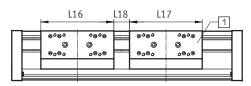
L16, L17

Type EGC-70-500-FA-...-GK-1K
Working stroke without
additional slide = 500 mm
L18 = 20 mm

= 100 mm

Working stroke with

additional slide = 380 mm(500 mm - 20 mm - 100 mm)



Dimensions - Additional slide										
Size		70		80		120		185		
Variant		GK	GP	GK	GP or GK-C	GK	GP or GK-C	GK	GK-C	
Length L17	[mm]	100	121	120	146	200	236	280	322	
Min. distance between the	[mm]	-	21	-	26	-	36	-	42	
slides L18										



Technical data

Working stroke reduction per side

With integrated emergency buffer NPE/shock absorber YSRW with shock absorber retainer KYE

- The working stroke is reduced by the total dimension of the emergency buffer/shock absorber and shock absorber retainer.
- The rubber buffer in the cap must be removed.
- Shock absorbers must not be used in combination with GK-C.

Size		70	80	120	185
With emergency buffer	[mm]	43	68	98	133
With shock absorber	[mm]	42	63	84	107

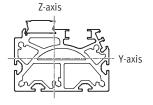
Working stroke reduction

With integrated clamping unit

- The working stroke is reduced by the length of the clamping unit.
- With 1-channel clamping units, the stroke is reduced on one side with respect to the mounting surface.
- With 2-channel clamping units, the stroke is reduced symmetrically with respect to the mounting surface of the load.
- Shock absorbers must not be used in combination with the clamping unit.

Size		80	120	185	
EGC1HPN	[mm]	87	124	131	
EGC2H-PN	[mm]	174	248	262	

2nd moment of area



Size		70	80	120	185
ly	[mm ⁴]	3.95x10 ⁵	8.44x10 ⁵	4.62x10 ⁶	2.34x10 ⁷
Iz	[mm ⁴]	5.77x10 ⁵	1.16x10 ⁶	5.65x10 ⁶	2.74x10 ⁷

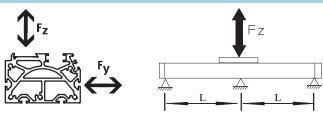
FESTO

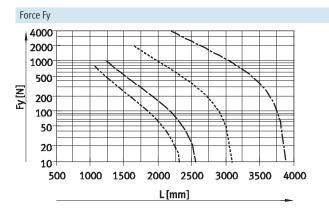
Technical data

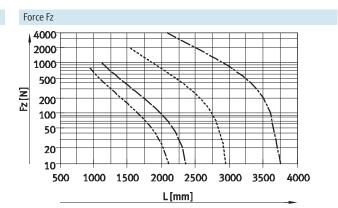
Maximum permissible support span L (without profile mounting) as a function of force F

In order to limit deflection in the case of large strokes, the axis may need to be supported.

The following graphs can be used to determine the maximum permissible support span l as a function of force F acting on the axis. The deflection is $f=0.5\,$ mm.







———— EGC-70 ———— EGC-80 ———— EGC-120 ———— EGC-185

Recommended deflection limits

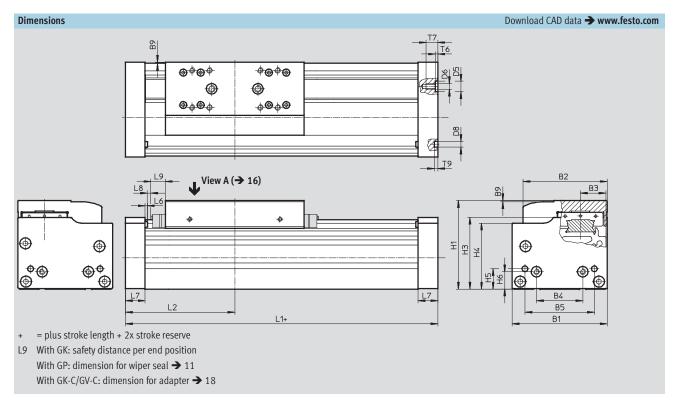
Adherence to the following deflection limits is recommended so as not to impair the functional performance of the

axes. Greater deformation can result in increased friction, greater wear and reduced service life.

Size	'	Stat. deflection (load stationary)
70 185	0.05% of the axis length, max. 0.5 mm	0.1% of the axis length

Passive guide axes EGC-FA, without drive Technical data





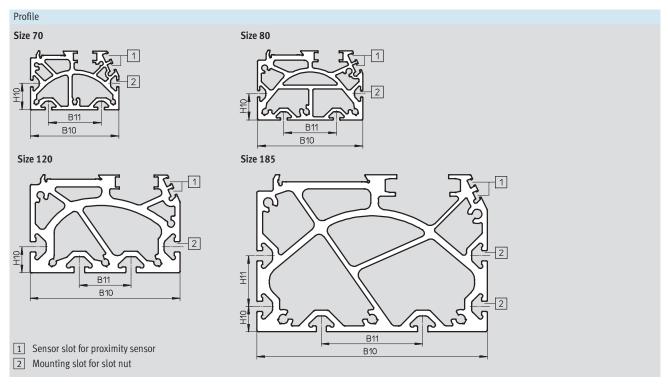
Size	B1	B2	В3	В4	B5	В9	D5 ∅ H7
70	69	58.6	16.5	30	45	1	-
80	82	72.6	22	40	60	1	9
120	120	107	33	80	40	1	-
185	186	169	53	120	80	1	-

Size	D6	D8 ∅ H7	H1	Н3	H4	Н5	Н6	L1
70	M5	5	64	50.5	47	13	13	163
80	M5	5	76.5	62	57	17.5	15	190
120	M8	9	111.5	89	82	22	22	306
185	M10	9	172.5	141	131.5	25	25	406

Size	L2	L6	L7	L8	L9	T6	T7	Т9
70	81.5	1.8	16	3	10.5	-	10	3.1
80	95	2	17	3	13	2.1	10.1	3.1
120	153	2	30	3	18	-	16	2.1
185	203	2	37	3	21	-	20	2.1

Passive guide axes EGC-FA, without drive Technical data



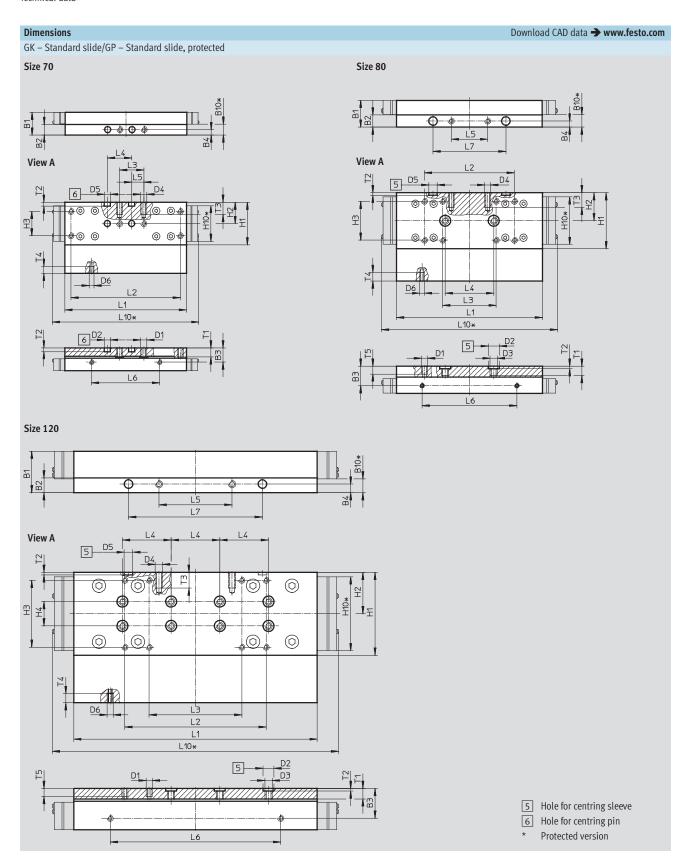


Size	B10	B11	H10	H11
70	67	40	20	-
80	80	40	20	-
120	116	40	20	-
185	182	80	20	40

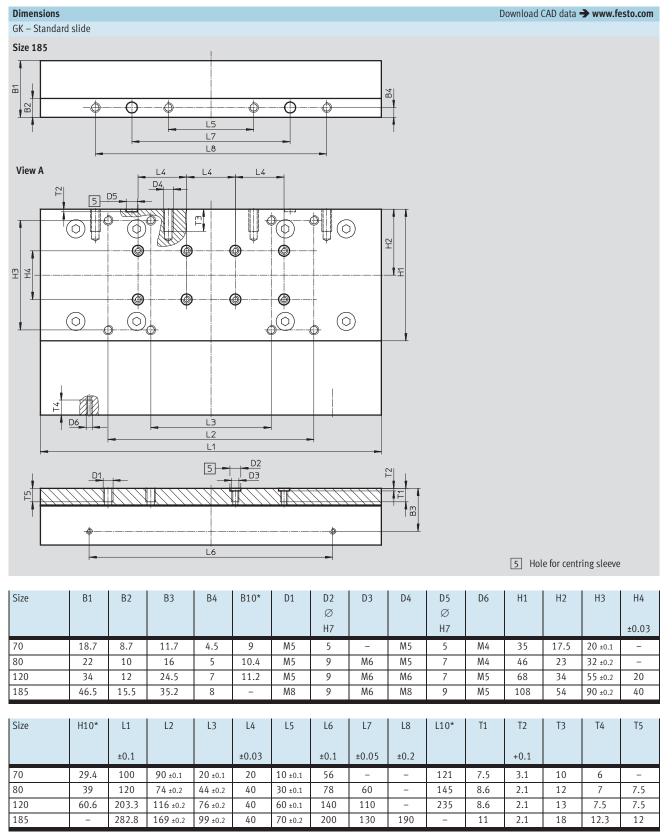


To avoid distortion in the slide, the bearing surfaces of the attachments must maintain a minimum flatness of 0.01 mm.



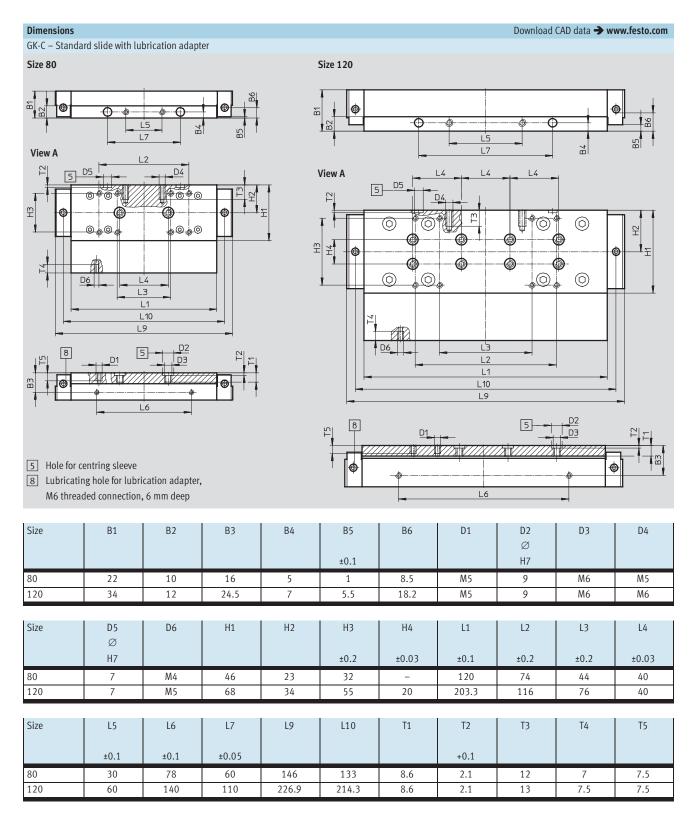




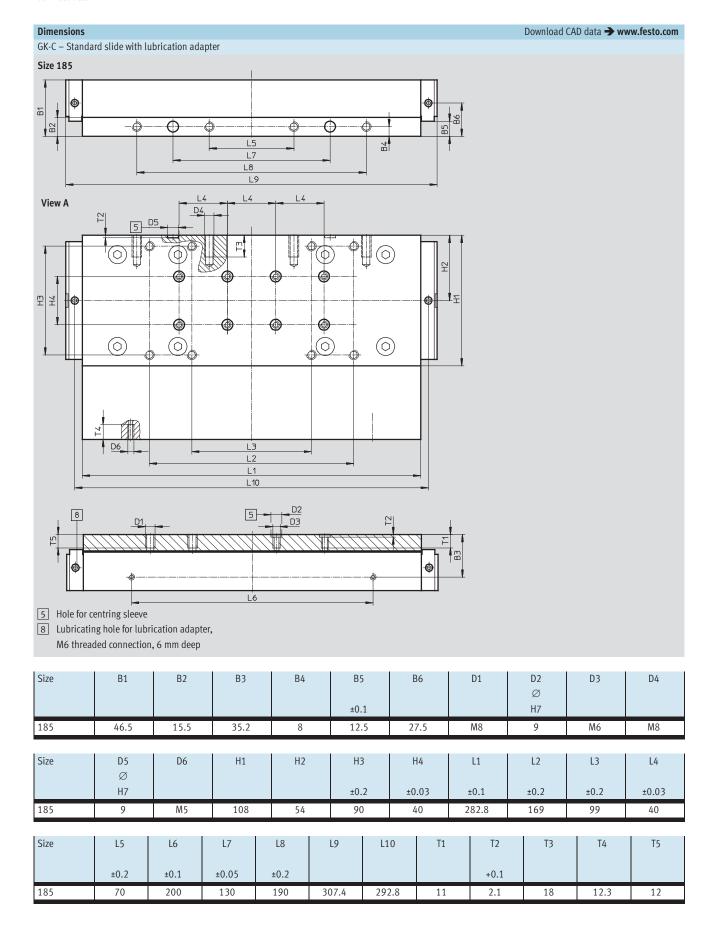


^{*} Protected version



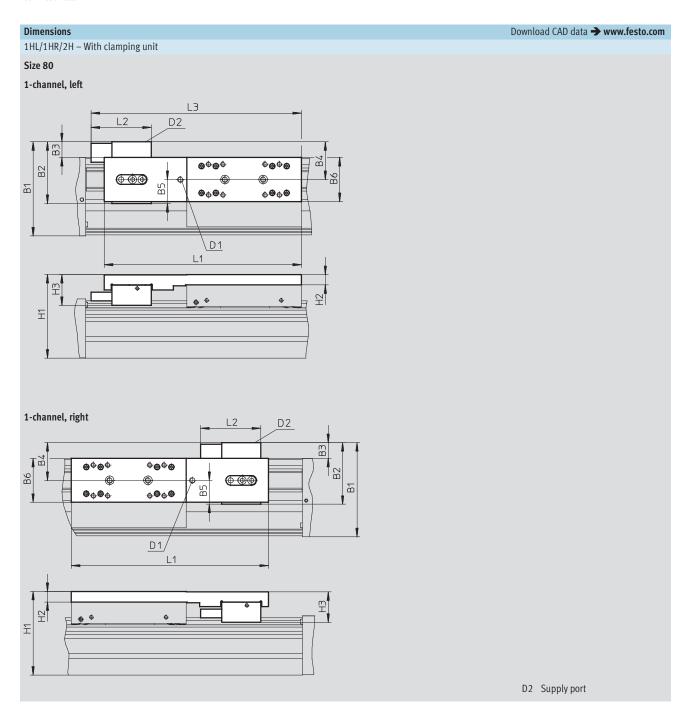






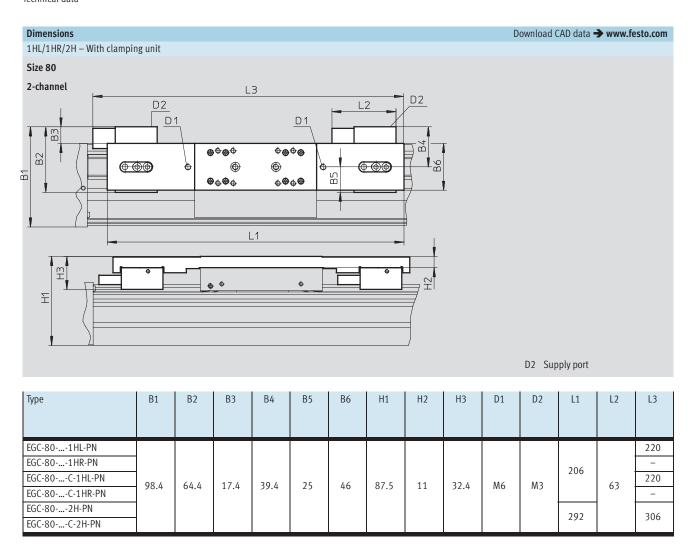
·O· New **Clamping unit**

Passive guide axes EGC-FA, without drive Technical data



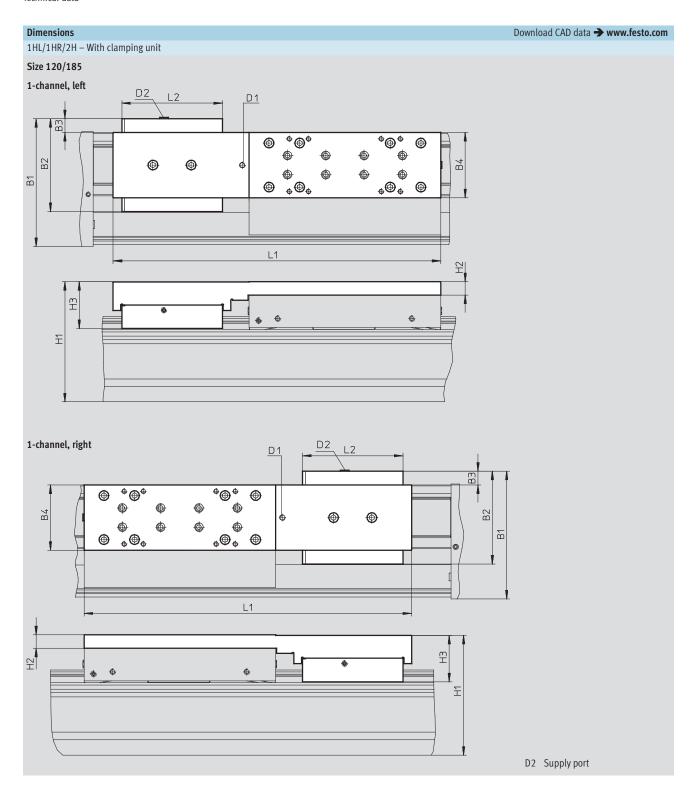


FESTO



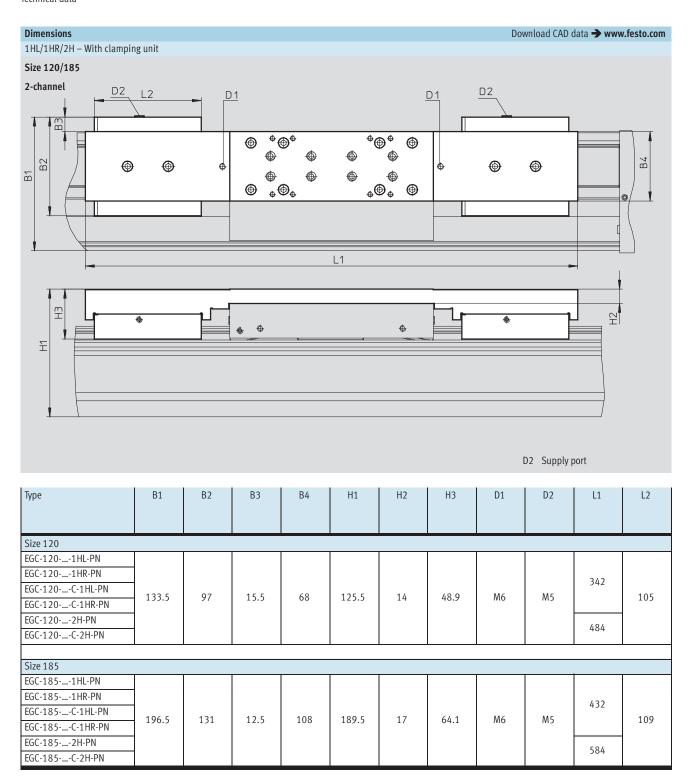
-O- New **Clamping unit**

Passive guide axes EGC-FA, without drive Technical data





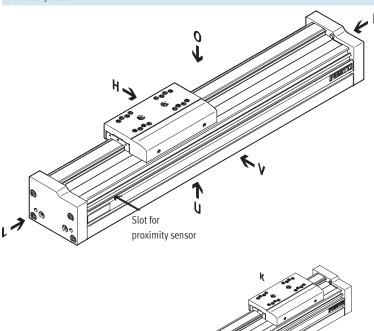
FESTO



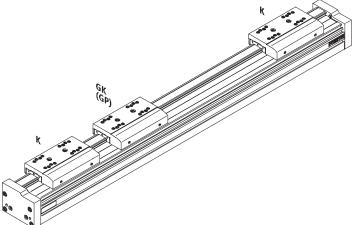
FESTO

Order code

Mandatory data



- 0 top
- underneath
- right
- left
- front
- rear





Order code Accessories Α C 1H...-PN, 2H-PN X, Z, O, P, W, R O, P, W, R O, P, W, R B, S X, Z ٧ CL Μ F



FESTO

Or	dering table								
Siz	ze	70	80	120	185	Condi- tions	Code		Enter code
M	Module No.	558 864	558 865	558 866	558 868			T	
	Design	Passive guide a	xis				EGC	E	EGC .
	Size	70	80	120	185			-	
	Stroke [mm]	50 5,000	50 8,500	50 8,500	50 8,500	1		-	
	Guide	Passive guide a	xis	1	•		-FA	-	FA
	Stroke reserve [mm]	0 999 (0 = no	stroke reserve)			1	H		
	Slide	Standard slide					-GK		
		Standard slide,	protected		-		-GP		
0	Additional slide	1 2				2	K		
	Lubrication function	Standard							
		_	Lubrication ada	pter			-C		
	Clamping unit	_	1-channel, left			3	-1HL		
		-	1-channel, righ	t		3	-1HR	1	
		-	2-channel			3	-2H		
	Actuation type	_	Pneumatic				-PN		

^{1 -...} The sum of the stroke length and 2x stroke reserve must not exceed the maximum stroke length

_____ ... **K** If the protected slide variant (GP) is selected, then the additional slide is also protected If the slide with lubrication adapter (GK-C) is selected, the additional slide (KL, KR) is also supplied with lubrication adapter

Additional slides (K) cannot be ordered for long strokes → product configurator. Please contact your local contact person at Festo if necessary

Working stroke reduction in combination with additional slide (K) ightharpoons 11

3 1HL, 1HR, 2H Not with additional slide K

Only with PN

Working stroke reduction in combination with clamping unit (1HL, 1HR, 2H) → 12

Order code												
	EGC	-	 	FA	- [-] - [-	-	-	- [



Ordering table									
iize			70	80	120	185	Condi- tions	Code	Enter code
Accessories			Accessories enc	losed separat	ely			ZUB-	ZUB-
Foot mounting			1					F	
Profile mounting			1 50					M	
Cover		Mounting slot	1 50 (1 = 2 u	nits, 500 mm)			В	
		Sensor slot	1 50 (1 = 2 u	nits, 500 mm)			S	
Slot nut for mounting s			1 99					Ү	
Proximity sensor (SIES)	,	N/O contact, 7.5 m cable	1 6			X			
inductive, slot type 8, F incl. switch lug	NP, -	N/C contact, 7.5 m cable	1 6 1 2					Z	
Emergency buffer with r	etain	er						A	
Shock absorber with re	tainer	ſ	1 2				5	C	
Proximity sensor (SIEN)	,	N/O contact, 2.5 m cable	1 99					0	
inductive, M8, PNP, inc	l.	N/C contact, 2.5 m cable	1 99					Р	
switch lug with sensor		N/O contact, plug M8	1 99					W	
bracket		N/C contact, plug M8	1 99					R	
Plug socket with cable	lug socket with cable 2.5 m, M8, 3-wire		1 99					V	
Cable clip	Cable clip			50, 60, 70, 8		CL			
Operating instructions			Express waiver -			-DN			
			available) (oper	ating instruct	of				
			charge on the In	iternet at www	v.festo.com)				

Emergency buffer with retainer A cannot be combined with slide GP, GK-C, shock absorber with retainer C and clamping unit 1H...-PN, 2H-PN

Note The code X, Z includes a switch lug in the scope of delivery. The code O, P, W, R includes one switch lug and max. two sensor brackets in the scope of delivery.

Transfer order	code								
ZUB	-							-	-

^{5 ...} **C** Shock absorber with retainer C cannot be combined with slide GP, GK-C, emergency buffer with retainer A and clamping unit 1H...-PN, 2H-PN

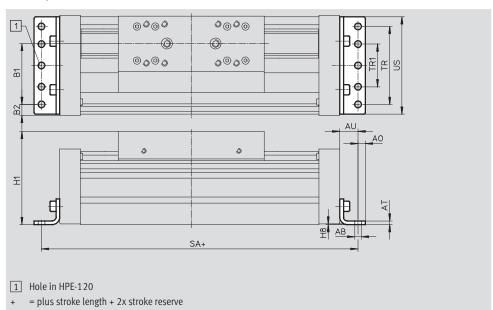
Passive guide axes EGC-FA, without drive Accessories

FESTO

Foot mounting HPE (order code F)

Material: Galvanised steel RoHS-compliant





Dimensions and o	imensions and ordering data												
For size	AB ∅	A0	AT	AU	B1	B2	H1	Н8					
70	5.5	6	3	13	37	14.5	64	0.5					
80	5.5	6	3	15	38	21	76.5	0.5					
120	9	8	6	22	65	20	111.5	0.6					
185	9	12	8	25	118	13	172.5	0.5					

For size	SA GK	TR	TR1	US	Weight [g]	Part No. Type
70	189	40	-	67	115	558 321 HPE-70
80	220	40	-	80	150	558 322 HPE-80
120	350	80	-	116	578	558 323 HPE-120
185	456	160	80	182	1,438	558 325 HPE-185

Passive guide axes EGC-FA, without drive Accessories

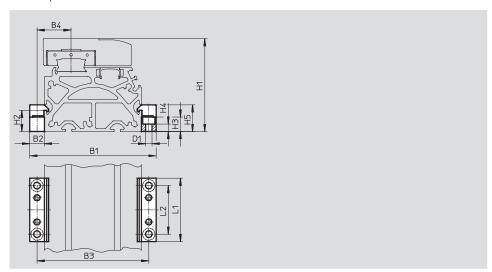
FESTO

Profile mounting MUE

(order code M)

Material: Anodised aluminium RoHS-compliant





Dimensions and o	Dimensions and ordering data												
For size	B1	B2	B3	B4	D1 Ø	H1	H2	Н3					
70	91	12	79	22.5	5.5	64	17.5	12					
80	104	12	92	28	5.5	76.5	17.5	12					
120	154	19	135	42.5	9	111.5	16	14					
185	220	19	201	62.5	9	172.5	16	14					

For size	H4	H5	L1		Weight [g]	Part No. Type
70	6.2	22	52	40	80	558 043 MUE-70/80
80	6.2	22	52	40	80	558 043 MUE-70/80
120	5.5	29.5	90	40	290	558 044 MUE-120/185
185	5.5	29.5	90	40	290	558 044 MUE-120/185

FESTO

Accessories

Shock absorber retainer KYE

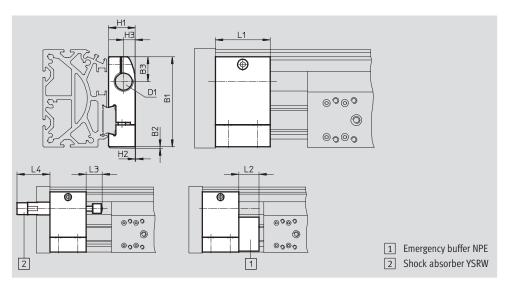
Emergency buffer NPE → 32

Shock absorber YSRW → 32 (order code A or C)

Material: Anodised aluminium RoHS-compliant Cannot be used in combination with the variant GP or GK-C and 1H...-PN,

2H-PN.





Dimensions and o	imensions and ordering data													
For size	B1	B2	В3	D1	H1	H2	Н3	L1	L2	L3	L4	Weight	Part No.	Туре
												[g]		
70	57.5	1	16.5	M12X1	18.2	0.5	7.5	30	15	14	32	75	557 584	KYE-70
80	74.2	1	20.5	M16X1	22	0.5	9.5	45	25	20	41	170	557 585	KYE-80
120	108.5	1	26	M22X1.5	31	1	14	60	40	26	48.5	680	557 586	KYE-120
185	168	1	37	M26X1.5	42	4	18	75	60	34	58.5	1,075	557 587	KYE-185

Switch lug SF-EGC-1

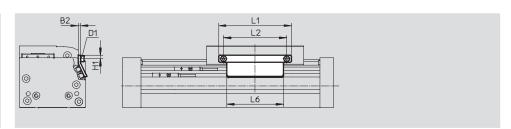
for sensing via proximity sensor

SIES-8M

(order code X or Z)

Material: Galvanised steel RoHS-compliant





Dimensions and o	Dimensions and ordering data											
For size	B2	D1	H1	L1	L2	L6	Weight [g]	Part No.	Туре			
70	3	M4	4.65	70	56	50	50	558 047	SF-EGC-1-70			
80	3	M4	4.65	90	78	70	60	558 048	SF-EGC-1-80			
120	3	M5	8	170	140	170	150	558 049	SF-EGC-1-120			
185	_	M5	10	230	200	230	245	558 051	SF-EGC-1-185			

FESTO

Accessories

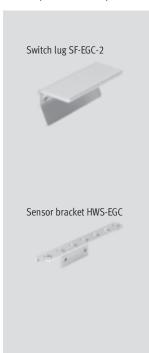
Switch lug SF-EGC-2

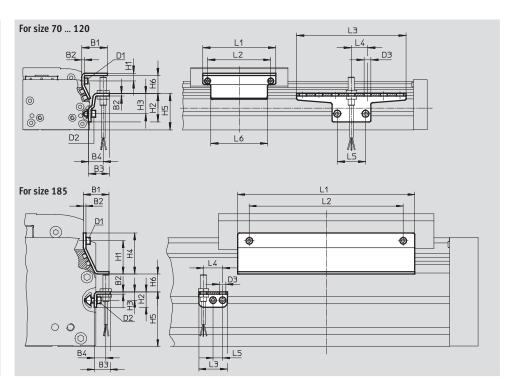
for sensing via proximity sensor SIEN-M8B (order code O, P, W or R) or SIES-8M (order code X or Z) Material: Galvanised steel RoHS-compliant

Sensor bracket HWS-EGC

for proximity sensor SIEN-M8B (order code O, P, W or R)

Material: Galvanised steel RoHS-compliant





Dimensions and o	Dimensions and ordering data											
For size	B1	B2	В3	B4	D1	D2	D3 Ø	H1	H2			
70	31.5	3	25.5	18	M4	M5	8.4	9.5	35			
80	31.5	3	25.5	18	M4	M5	8.4	9.5	35			
120	32	3	25.5	18	M5	M5	8.4	13.2	65			

For size	Н3	H4	H5	H6 max.	L1	L2	L3	L4	L5	L6
70	25	-	45	13.5	70	56	135	20	35	50
80	25	-	45	23.5	90	78	135	20	35	70
120	55	-	75	24	170	140	215	20	35	170
185	11	53	71	25.5	230	200	37	25	12.5	230

For size	Weight [g]	Part No.	Туре
	Switch lug		
70	100	558 052	SF-EGC-2-70
80	130	558 053	SF-EGC-2-80
120	280	558 054	SF-EGC-2-120
185	390	558 056	SF-EGC-2-185

Fo	or size	Weight [g]	Part No.	Туре
		Sensor bracket		
70	0	110	558 057	HWS-EGC-M5
80	0	110	558 057	HWS-EGC-M5
1	20	200	570 365	HWS-EGC-M8-B
18	85	60	560 517	HWS-EGC-M8:KURZ

Passive guide axes EGC-FA, without drive Accessories

Ordering data						
	For size	Remarks	Order code	Part No.	Туре	PU ¹⁾
Emergency buffer NPE						
\wedge	70	For use in combination with shock	A	562 581	NPE-70	1
	80	absorber retainer KYE		562 582	NPE-80	
	120			562 583	NPE-120	
<u>\</u>	185			562 584	NPE-185	
Shock absorber YSRW					Technical data 🗲	· Internet· verw
SHOCK absorber 13KW	70	For use in combination with shock	C	191 194	YSRW-8-14	1
	80	absorber retainer KYE		191 194	YSRW-12-20	
		absorber retainer KTL				
	120			191 197	YSRW-16-26	
<u> </u>	185			191 198	YSRW-20-34	
Slot nut NST						
<u> </u>	70,80	For mounting slot	Υ	150 914	NST-5-M5	1
	120, 185			150 915	NST-8-M6	
Centring pin/sleeve ZBS/ZBH	2)					
Partition of the control of the cont	70	For slide		150 928	ZBS-5	10
<u> </u>	80, 120, 185			150 927	ZBH-9	
Slot cover ABP						
2101 COVEL ABP	70,80	For mounting slot	В	151 681	ABP-5	2
			В	151 682	ABP-8	
	120, 185	every 0.5 m		151 062	ADF-0	
	L					
Slot cover ABP-S						
	70 185	For sensor slot	S	563 360	ABP-5-S1	2
		every 0.5 m				
Clip SMBK						
CITP SINIBIN	70 185	For concer slot, for attaching the	CL	534 254	SMBK-8	10
	/0 185	For sensor slot, for attaching the	LCL	234 254	SIVIDIV-8	10
		proximity sensor cables				

Packaging unit
 2 centring pins/sleeves included in the scope of delivery of the axis

Passive guide axes EGC-FA, without drive Accessories



Ordering data	- Proximity sensors for	T-slot, inductive					Technical data → Internet: sies
	Type of mounting	Electrical connection	Switching	Cable length	Order code	Part No.	Туре
			output	[m]			
N/O contact							
1	Insertable in the slot	Cable, 3-wire	PNP	7.5	Х	551386	SIES-8M-PS-24V-K-7,5-0E
SET WITH	from above, flush with	Plug M8x1, 3-pin	1	0.3	-	551387	SIES-8M-PS-24V-K-0,3-M8D
S	the cylinder profile	Cable, 3-wire	NPN	7.5	-	551396	SIES-8M-NS-24V-K-7,5-OE
		Plug M8x1, 3-pin	1	0.3	-	551397	SIES-8M-NS-24V-K-0,3-M8D
				•			
N/C contact							
	Insertable in the slot	Cable, 3-wire	PNP	7.5	Z	551391	SIES-8M-PO-24V-K-7,5-0E
SET BATT	from above, flush with	Plug M8x1, 3-pin	1	0.3	-	551392	SIES-8M-PO-24V-K-0,3-M8D
	the cylinder profile	Cable, 3-wire	NPN	7.5	-	551401	SIES-8M-NO-24V-K-7,5-0E
		Plug M8x1, 3-pin	1	0.3	-	551402	SIES-8M-NO-24V-K-0,3-M8D

Ordering data	- Proximity sensors M8 (round design), inductive					Technical data → Internet: sien
	Electrical connection	LED	Switching output	Cable length [m]	Order code	Part No.	Туре
N/O contact							
	Cable, 3-wire	•	PNP	2.5	0	150386	SIEN-M8B-PS-K-L
	Plug M8x1, 3-pin	-	PNP	-	W	150387	SIEN-M8B-PS-S-L
N/C contact							
	Cable, 3-wire	•	PNP	2.5	Р	150390	SIEN-M8B-PO-K-L
	Plug M8x1, 3-pin	•	PNP	-	R	150391	SIEN-M8B-PO-S-L

Ordering data – Connecting cables					Technical data → Internet: nebu
	Electrical connection, left	Electrical connection, right	Cable length	Part No.	Туре
			[m]		
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	159 420	SIM-M8-3GD-2,5-PU
			2.5	541 333	NEBU-M8G3-K-2.5-LE3
			5	541 334	NEBU-M8G3-K-5-LE3
	Angled socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541 338	NEBU-M8W3-K-2.5-LE3
			5	541 341	NEBU-M8W3-K-5-LE3

Product Range and Company Overview

A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drives



Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



© Copyright 2008, Festo Corporation. While every effort is made to ensure that all dimensions and specifications are correct, Festo cannot guarantee that publications are completely free of any error, in particular typing or printing errors. Accordingly, Festo cannot be held responsible for the same. For Liability and Warranty conditions, refer to our "Terms and Conditions of Sale", available from your local Festo office. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior written permission of Festo. All technical data subject to change according to technical update.



Festo North America

Festo Regional Contact Center

5300 Explorer Drive Mississauga, Ontario L4W 5G4 Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786) 1.800.96.FESTO (1.800.963.3786) Email: customer.service@us.festo.com

For technical support,

Call: 1.866.GO.FESTO (1.866.463.3786) Fax: 1.800.96.FESTO (1.800.963.3786) Email: product.support@us.festo.com

Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786) Fax: 1.877.FX.FESTO (1.877.393.3786) Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation 395 Moreland Road P.O. Box 18023 Hauppauge, NY 11788, USA www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330 Woburn, MA 01801, USA

Chicago

1441 East Business Center Drive Mt. Prospect, IL 60056, USA

Dallas

1825 Lakeway Drive, Suite 600 Lewisville, TX 75057, USA

Detroit – Automotive Engineering Center 2601 Cambridge Court, Suite 320 Auburn Hills, MI 48326, USA

New York

395 Moreland Road Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788 Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4 Phone: 1.905.624.9000; Fax: 1.905.624.9001; Email: festo.canada@ca.festo.com

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquinahuac, 54020 Tlalnepantla, Edo, de México Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65; Email: festo.mexico@mx.festo.com www.festo.com/mx

Central USA

Festo Corporation 1441 East Business Center Drive Mt. Prospect, IL 60056, USA Phone: 1.847.759.2600 Fax: 1 847 768 9480



Western USA

Festo Corporation 4935 Southfront Road, Livermore, CA 94550. USA

Phone: 1.925.371.1099 Fax: 1.925.245.1286



Festo Worldwide

Argentina Australia Austria Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia Czech Republic Denmark Estonia Finland France Germany Great Britain Greece Hong Kong Hungary India Indonesia Iran Ireland Israel Italy Japan Latvia Lithuania Malaysia Mexico Netherlands New Zealand Norway Peru Philippines Poland Romania Russia Serbia Singapore Slovakia Slovenia South Africa South Korea Spain Sweden Switzerland Taiwan Thailand Turkey Ukraine United States Venezuela