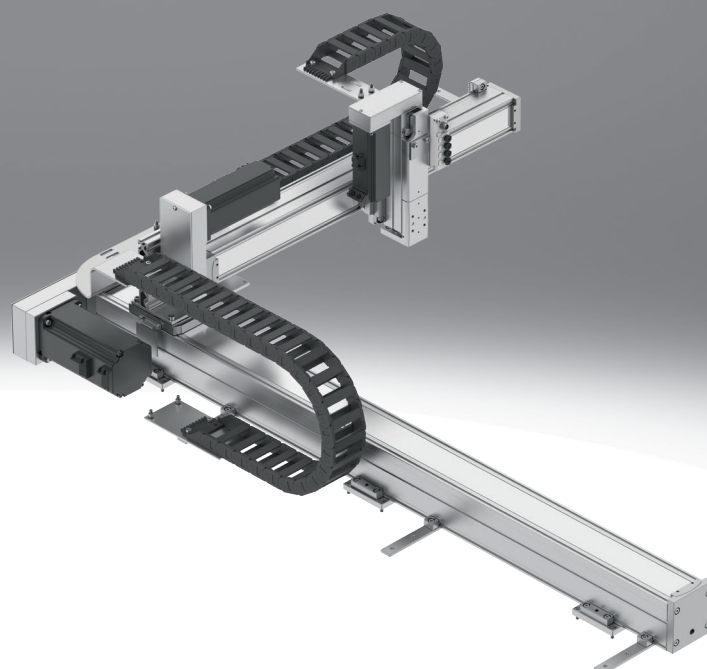


3D cantilever systems

FESTO



Key features

At a glance

The cantilever system facilitates movement in 3D space.

The cantilever system is composed of several axis modules depending on the requirements.

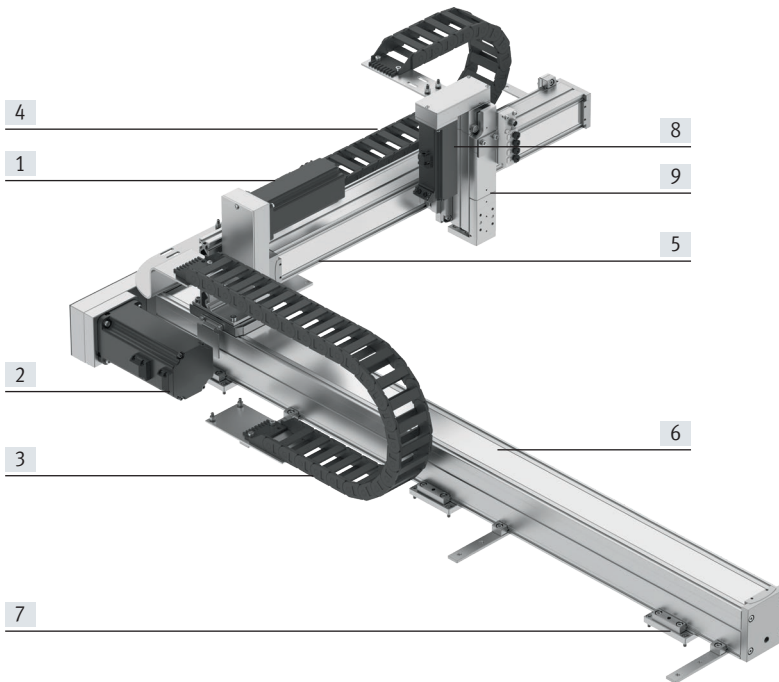
These are all tried-and-tested components from Festo.

- Can be used universally for handling light to medium-weight workpieces or payloads
- Optimum ratio of installation space to working space
- Working space with minimal interfering contours – freely accessible from three sides

- Pneumatic and electric components are freely combinable
- As an electrical solution it is freely positionable/any intermediate positions

Range of applications:

- For any movements in 3D space
- Ideal for line assembly processes
- Cost-effective handling unit in a compact format for small parts handling and simple tasks (YXCR-B)



- [1] Servo motor for the Y-module
- [2] Servo motor for the X-module
- [3] Energy chain for the X-module
- [4] Energy chain for the Y-module
- [5] Y-axis
- [6] X-axis
- [7] Profile mounting/adjusting kit
- [8] Servo motor for the Z-module
- [9] Z-axis

Description of the modules

X-module

Setup:

The X-module EHM-X-AS consists of a linear axis which is powered by a servo or stepper motor.

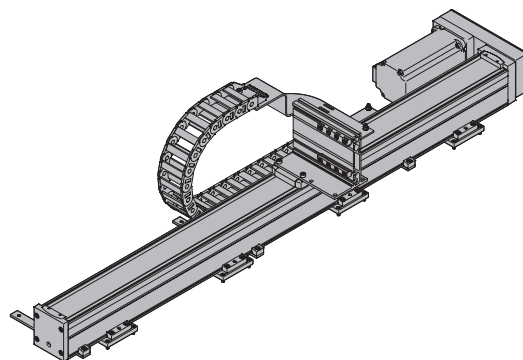
Adapters are mounted on the slide of the X-axis to connect the Y-module.

The position of the motor and energy chain can be selected using the configurator.

The following components are located on the motor side:

- Energy chain (optional)
- Multi-pin plug distributor for proximity switch (if a sensor package has been selected)

Sample image:



Key features

Description of the modules

Y-module

Setup:

The Y-module EHY consists of a linear axis which is powered by a servo or stepper motor.

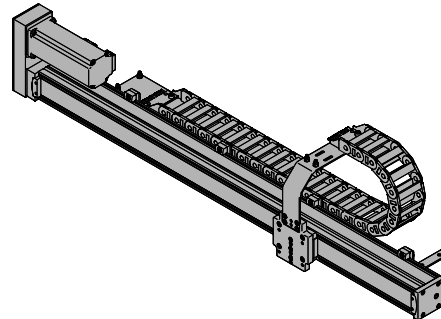
Adapters are mounted on the slide of the Y-axis to connect the Z-module.

The position of the motor and energy chain is dependent on the position of the motor on the X-module.

The following components are located on the motor side:

- Energy chain (optional)
- Multi-pin plug distributor for proximity switch (if a sensor package has been selected)

Sample image:



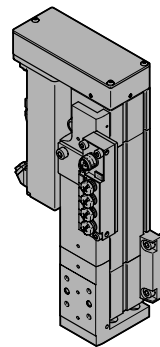
Z-module

Setup:

The Z-module EHZ comprises an electric drive, the DHMZ comprises a pneumatic drive. Based on the configuration, an energy chain is optionally installed as a cable guide depending on the axis type and stroke.

The Z-module can be selected using the configurator, depending on the application.

Sample image:



Key features

Dispatch options

Fully assembled:

The cantilever system is fully assembled. All cables and tubing are installed and connected. The system is already set up on delivery, but must be adapted to the particular mounting surface during installation.
Note flatness → table below.

Partially assembled:

The cantilever system is delivered partially assembled. This means that all three axis modules (X-/Y-/Z-axis) are assembled, each with the optional motors. The partially assembled system must be completed by the customer. Help can be found in the assembly instructions provided.
Optional accessories (→ page 11) are enclosed.
Note flatness → table below.

System overview¹⁾

Size	YXCA-1-B	YXCA-2-B
Max. working stroke	X: 800 mm Y: 300 mm Z: 150 mm	X: 1000 mm Y: 400 mm Z: 200 mm
Max. payload	Dependent on the selected dynamic response	
Required flatness of the mounting surface	≤ 0.1 mm/m	
Mounting position	Horizontal	

Size	YXCA-2-D
Max. working stroke	X: 3000 mm Y: 500 mm Z: 200 mm
Max. payload	Dependent on the selected dynamic response
Required flatness of the mounting surface	≤ 0.1 mm/m
Mounting position	Horizontal

1) Drive package depends on the configuration selected.

Key features

Configurator: Handling Guide Online (HGO)

Selecting a handling system

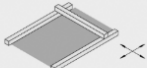
Planning complex handling systems takes a lot of time. You can use the configurator "Handling Guide Online" (HGO) to design a customised handling system for your application in just a few steps.

You can choose from the following systems:

- 2D linear gantry
- 2D planar surface gantry
- 2D cantilever system
- Three-dimensional gantry
- 3D cantilever system

Advantages:

- Automatic selection of all relevant components
- Automatic design and calculation of the workload
- Quote created automatically
- CAD model available immediately
- Configuration-specific parameters for servo drives available immediately
- Complete Eplan project can be ordered according to the individual configuration
- Fully automated processing
- You can order fully or partially assembled systems through the Online Shop
- Lots of possible options

☐ 2D linear gantry		Movements in 2D in the vertical working space: Linear gantries as complete systems. Electric and pneumatic axes can be combined ☐ Animation
☐ 2D gantry		Movements in 2D in the horizontal working space: Planar surface gantries as complete systems. Combining electric axes. Easy to connect to your own Z unit. ☐ Animation
☐ 2D cantilever system		Movements in 2D in the horizontal working space: Cantilever system as complete system. Combining electric axes.
☐ 3D gantry		Movements in 3D: Three-dimensional gantries as complete systems. Electric and pneumatic axes can be combined ☐ Animation
☐ 3D cantilever system		Movements in 3D: Cantilever system as complete system. Electric and pneumatic axes can be combined

Entering the application data

- Payload
- Drive system of the axis
- Distance from the centre of the load
- Working stroke
- Reference cycle

Axis definition and payload

Axis definition

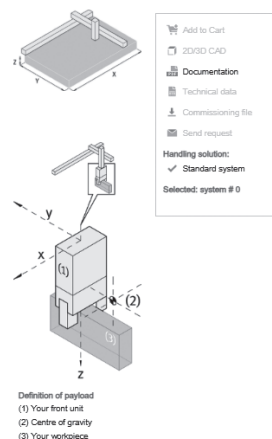
Drive system of the axis
 X Electric: several positions
 Y Electric: several positions
 Z Please select

Required working stroke
 X mm
 Y mm
 Z mm

Working stroke in Z direction
 Take the stroke reserve into account in your specification

Payload

Sum of the weight of the front unit and the workpiece
 kg
 Distance from the centre of the load
 X mm
 Y mm
 Z mm



Key features

Configurator: Handling Guide Online (HGO)

Result of calculation

You will be offered a selection of systems that have been calculated based on the application data you entered.

The following are available immediately:

- CAD model
- Datasheet of the selected system
- Price information

Result of calculation

Select the appropriate system and continue with the configuration:

Selection Filter

No.	System series	System workload i	Repetition accuracy (+/-)	Your price
☒	1 YXCR-1	91 %	0.11 mm	
☐	3 YXCR-2	46 %	0.11 mm	
☐	5 YXCR-2	52 %	0.11 mm	
☐	7 YXCR-2	32 %	0.11 mm	
☐	26 YXMR-2	48 %	0.1 mm	

Requires additional motion controller for interpolation (e.g. CPX-E-CEC-M1-...)

3D gantry YXCR-1: #1

Drive module	X module: toothed belt axis EGC-50	Y module: toothed belt axis EGC-50	Z module: Electric mini slide EGSL-35
Kinematics type	Serial kinematics	Serial kinematics	Serial kinematics
Stroke	200 mm	200 mm	50 mm
Repetition accuracy (+/-)	0.08 mm	0.08 mm	0.02 mm
Gear unit	5:1	5:1	Without
Type of motor	Servo motor EMME-AS	Servo motor EMME-AS	Servo motor EMME-AS
Motor position	Right	Right	Top

Data protection

Back Continue

System overview

You will be given an overview of the complete system.

You will also have the following options:

- Request price
- Send request
- Add to basket

Your handling solution

Your selected system overview:

Exemplary representation

Update CAD Preview

Your system ID: C1374165

Your next step:

Show price

Send request

Add to basket

Your entries

Your system

Your options

Feature	Value
Handling type	2D gantry
Payload	2 kg
Drive system of the X-axis	Electric: several positions
Drive system of the Y-axis	Electric: several positions

Data protection

Back

Key features

Standard components within the handling system

The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. The single axes installed will be displayed in the configurator HGO on the "Result of calculation" page.

Drives/axes

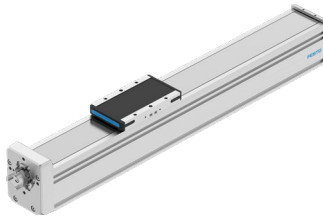
X-axis

Ball screw axis ELGC-BS



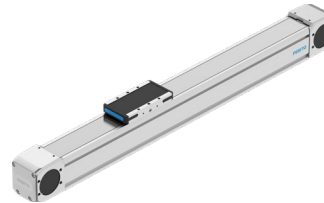
- Electrical
- Optimal installation space to working space ratio
- Protected against external influences by internal guide
- Various screw pitches

Ball screw axis ELGD-BS



- Electrical
- Profile with a square cross section and sturdy drive elements for high feed forces
- Abrasion-free and clean surface protects workpieces from particles
- Various screw pitches

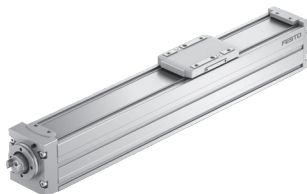
Toothed belt axis ELGD-TB



- Electrical
- Profile with a square cross section and sturdy drive elements for high feed forces
- Abrasion-free and clean surface protects workpieces from particles
- High dynamic response

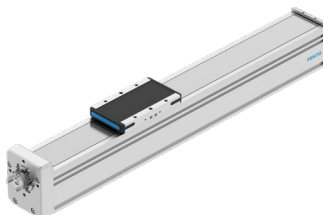
Y-axis

Ball screw axis ELGC-BS



- Electrical
- Optimal installation space to working space ratio
- Protected against external influences by internal guide
- Various screw pitches

Ball screw axis ELGD-BS



- Electrical
- Profile with a square cross section and sturdy drive elements for high feed forces
- Abrasion-free and clean surface protects workpieces from particles
- Various screw pitches

Key features

Z-axis

Mini slide EGSC



- Electrical
- Compact design
- High load capacity
- Precision guide and ball screw
- Easy adjustment of end positions

Mini slides DGST



- Pneumatic system
- Precise and resilient roller bearing guide
- Slide and yoke plate as a single component
- High dynamic response

Possible axis combinations ¹⁾			
Size	X-module	Y-module	Z-module
YXCA-1-B	• Ball screw axis ELGC-BS-60	• Ball screw axis ELGC-BS-45	• Mini slide pneumatic: DGST-8/12 electric: EGSC-32
YXCA-2-B	• Ball screw axis ELGC-BS-80	• Ball screw axis ELGC-BS-60	• Mini slide pneumatic: DGST-12/16 electric: EGSC-45
YXCA-2-D	• Toothed belt axis ELGD-TB-80 • Ball screw axis ELGD-BS-80	• Ball screw axis ELGD-BS-60	• Mini slide pneumatic: DGST-12/16 electric: EGSC-45 electric: EGSC-60

1) Drive package depends on the configuration selected.

Key features

Standard components within the handling system

The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. You can alter the scope and design of the drive package in the configurator HGO on the "System configuration" page.

Motors and controllers

Servo motors EMMT-AS



- Dynamic, brushless, permanently excited servo motor
- Digital absolute displacement encoder in single-turn or multi-turn version
- Simple connection technology (OCP: one cable plug) – hybrid cable: motor cable and connecting cable for supply and encoder in one
- Plug can be rotated 310°
- With optional brake

Servo motors EMMB-AS



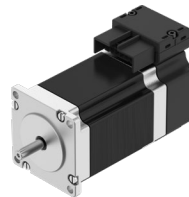
- Dynamic, brushless, permanently excited servo motor
- Digital absolute displacement encoder in single-turn or multi-turn version
- Optimised connection technology
- With optional brake

Stepper motors EMMT-ST



- Two-phase hybrid technology
- Digital absolute displacement encoder in single-turn or multi-turn version
- Simple connection technology (OCP: one cable plug) – hybrid cable: motor cable and connecting cable for supply and encoder in one
- Plug can be rotated 310°
- With optional brake

Stepper motors EMMB-ST



- Two-phase hybrid technology
- Digital absolute displacement encoder in single-turn or multi-turn version
- Simple connection technology (OCP: one cable plug) – hybrid cable: motor cable and connecting cable for supply and encoder in one
- Can be positioned facing to the front or back
- With optional brake

Key features

Standard components within the handling system

The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. You can alter the scope and design of the drive package in the configurator HGO on the "System configuration" page.

Servo drive CMMT-AS, for servo motor



- Universal servo drive
- For synchronous servo motors
- Integrated EMC filters
- Integrated brake chopper
- Integrated braking resistor
- Position controller
- Speed controller
- Force controller
- Range of control functions

Options:

- Safety function: safe torque off (STO)/category 4, Performance Level e
- Safe stop 1 (SS1)
- Safe brake control (SBC) up to SIL3/ category 3, Performance Level e

- Bus protocols
 - EtherCAT®
 - PROFINET RT/IRT
 - EtherNet/IP
 - Modbus TCP

Servo drive CMMT-ST, for stepper motor



- Servo drive for operating stepper motors and brushless direct current motors
- Options for point-to-point and interpolating motion and for precise positioning
- Primary voltage from 24 ... 48 V DC
- Position controller
- Speed controller
- Force controller
- Range of control functions

Options:

- Safety function: safe torque off (STO)/category 3, Performance Level e
- Safe stop 1 time controlled (SS1-t)

- Bus protocols
 - EtherCAT®
 - PROFINET RT/IRT
 - EtherNet/IP
 - Modbus TCP

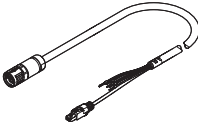
Ordering data – Accessories

Module/motor combinations

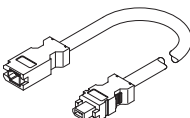
We recommend that the three-dimensional gantry is operated with the suggested motors from Festo. These precisely match the mechanical system. When using third-party motors, it is essential that the technical limits are observed.

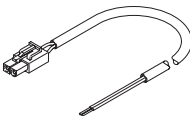
Module	Motor		Stepper motor	
	Servo motor			
X-module				
EHMX-AS-ELGC-60-BS	–	EMMB-AS-80-07	EMMT-ST-57-L-...	EMMB-ST-57-L-...
EHMX-AS-ELGC-80-BS	–	EMMB-AS-80-07	EMMT-ST-87-M-...	EMMB-ST-87-M-...
EHMX-AS-ELGD-80-TB-KF	EMMT-AS-60-L-LS-...	EMMB-AS-60-04-	EMMT-ST-87-S-...	EMMB-ST-87-S-...
	EMMT-AS-60-L-HS-...	–	–	–
EHMX-AS-ELGD-80-BS-KF	EMMT-AS-60-L-LS-...	EMMB-AS-60-04-	EMMT-ST-87-S-...	EMMB-ST-87-S-...
	EMMT-AS-60-L-HS-...	–	–	–
	EMMT-AS-80-M-LS-...	–	–	–
	EMMT-AS-80-M-HS-...	–	–	–
Y-module				
EHMY-AS-RP-ELGC-45-BS	–	EMMB-AS-40-01	EMMT-ST-42-L-...	EMMB-ST-42-L-...
EHMY-AS-RP-ELGC-60-BS	–	EMMB-AS-60-04	EMMT-ST-57-L-...	EMMB-ST-57-L-...
EHMY-AS-ELGD-60-BS-KF	EMMT-AS-60-M-LS-...	EMMB-AS-60-04	EMMT-ST-57-M-...	EMMB-ST-57-M-...
	EMMT-AS-60-M-HS-...	–	–	–
Z-module				
EHMZ-EGSC-32-BS		EMMB-AS-40-01	EMMT-ST-42-L-...	EMMB-ST-42-L-...
EHMZ-EGSC-45-BS		EMMB-AS-40-01	EMMT-ST-42-L-...	EMMB-ST-42-L-...
EHMZ-EGSC-45-BS	EMMT-AS-40-M-LS-...	EMMB-AS-40-01	EMMT-ST-42-L-...	EMMB-ST-42-L-...
EHMZ-EGSC-60-BS	EMMT-AS-60-M-LS-...	EMMB-AS-60-02-	EMMT-ST-57-M-...	EMMB-ST-57-M-...
	EMMT-AS-60-M-HS-...	–	–	–

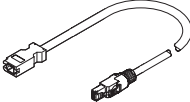
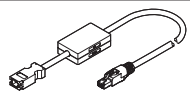
Ordering data – Accessories

Ordering data		Description	Cable length [m]	Part no.	Type
For servo motor EMMT-AS					
Motor cable					
	• For EMMT-AS-40/60/80-...-R2... with CMMT-AS	2.5	5251374	NEBM-M23G15-EH-2.5-Q7N-R3LEG14	
		5	5251375	NEBM-M23G15-EH-5-Q7N-R3LEG14	
		7.5	5251376	NEBM-M23G15-EH-7.5-Q7N-R3LEG14	
		10	5251377	NEBM-M23G15-EH-10-Q7N-R3LEG14	
		15	5251378	NEBM-M23G15-EH-15-Q7N-R3LEG14	
		20	5251379	NEBM-M23G15-EH-20-Q7N-R3LEG14	
		2.5	5251381	NEBM-M23G15-EH-2.5-Q9N-R3LEG14	
		5	5251382	NEBM-M23G15-EH-5-Q9N-R3LEG14	
		7.5	5251383	NEBM-M23G15-EH-7.5-Q9N-R3LEG14	
		10	5251384	NEBM-M23G15-EH-10-Q9N-R3LEG14	
		15	5251385	NEBM-M23G15-EH-15-Q9N-R3LEG14	
		20	5251386	NEBM-M23G15-EH-20-Q9N-R3LEG14	

Ordering data		Description	Cable length [m]	Part no.	Type
For servo motor EMMB-AS					
Motor cable					
	• For EMMB-AS-40/60/80 with CMMT-AS	2.5	5219197	NEBM-H6G4-E-2.5-Q13N-LE4	
		5	5219198	NEBM-H6G4-E-5-Q13N-LE4	
		7.5	5219199	NEBM-H6G4-E-7.5-Q13N-LE4	
		10	5219200	NEBM-H6G4-E-10-Q13N-LE4	
		15	8097203	NEBM-H6G4-E-15-Q13N-LE4	
		20	8097204	NEBM-H6G4-E-20-Q13N-LE4	

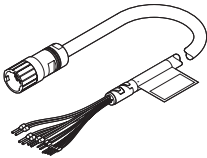
Encoder cable					
	• For EMMB-AS-40/60/80 with CMMT-AS	2.5	5219213	NEBM-REG6-E-2.5-Q14N-REG6	
		5	5219214	NEBM-REG6-E-5-Q14N-REG6	
		7.5	5219215	NEBM-REG6-E-7.5-Q14N-REG6	
		10	5219216	NEBM-REG6-E-10-Q14N-REG6	
		15	8097200	NEBM-REG6-E-15-Q14N-REG6	
		20	8097201	NEBM-REG6-E-20-Q14N-REG6	

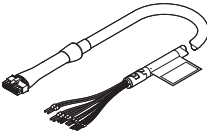
Connecting cable for brake					
	• For EMMB-AS-40/60/80 with CMMT-AS	2.5	5219205	NEBM-H7G2-E-2.5-Q14N-LE2	
		5	5219206	NEBM-H7G2-E-5-Q14N-LE2	
		7.5	5219207	NEBM-H7G2-E-7.5-Q14N-LE2	
		10	5219208	NEBM-H7G2-E-10-Q14N-LE2	
		15	8097206	NEBM-H7G2-E-15-Q14N-LE2	
		20	8097207	NEBM-H7G2-E-20-Q14N-LE2	

Adapter for encoder cable (absolutely essential)					
	• For EMMB-AS-40/60/80 with CMMT-AS	For single-turn version with CMMT-AS			
		0.5	8097197	NEFM-REG6-K-0.5-R3G8	
	• For EMMB-AS-40/60/80 with CMMT-AS	For multi-turn version with CMMT-AS1)			
		0.5	8097195	NEFM-REG6-K-0.5-B-R3G8	
		For multi-turn version with CMMB-AS1)			
		0.5	8097196	NEFM-REG6-K-0.5-B-REG6	

1) The required battery is not included in the scope of delivery

Ordering data – Accessories

Designation	Description	Cable length [m]	Part no.	Type
For stepper motor EMMT-ST				
Motor cable				
	• For EMMT-ST-42-... with CMMT-ST	2.5	8181670	NEBM-M17G12-EH-2.5-Q6N-LE12
		5	8181668	NEBM-M17G12-EH-5-Q6N-LE12
		7	8190096	NEBM-M17G12-EH-7.5-Q6N-LE12
		10	8195457	NEBM-M17G12-EH-10-Q6N-LE12
		15	8214679	NEBM-M17G12-EH-15-Q7N-LE12
		20	8214680	NEBM-M17G12-EH-20-Q7N-LE12
	• For EMMT-ST-57-... with CMMT-ST	2.5	8181670	NEBM-M17G12-EH-2.5-Q6N-LE12
		5	8181668	NEBM-M17G12-EH-5-Q6N-LE12
		7	8195460	NEBM-M17G12-EH-7.5-Q7N-LE12
		10	8195461	NEBM-M17G12-EH-10-Q7N-LE12
		15	8214683	NEBM-M17G12-EH-15-Q9N-LE12
		20	8214684	NEBM-M17G12-EH-20-Q9N-LE12
	• For EMMT-ST-87-... with CMMT-ST	2.5	8195458	NEBM-M17G12-EH-2.5-Q7N-LE12
		5	8195459	NEBM-M17G12-EH-5-Q7N-LE12
		7	8214681	NEBM-M17G12-EH-7.5-Q9N-LE12
		10	8214682	NEBM-M17G12-EH-10-Q9N-LE12
		15	8214683	NEBM-M17G12-EH-15-Q9N-LE12
		20	8214684	NEBM-M17G12-EH-20-Q9N-LE12

Designation	Description	Cable length [m]	Part no.	Type
For stepper motor EMMB-ST				
Motor cable				
	• For EMMB-ST-42-... with CMMT-ST	2.5	8181675	NEBM-L5G14-EH-2.5-Q6N-LE12
		5	8181664	NEBM-L5G14-EH-5-Q6N-LE12
		7	8181676	NEBM-L5G14-EH-7.5-Q6N-LE12
		10	8181672	NEBM-L5G14-EH-10-Q6N-LE12
		15	8214685	NEBM-L5G14-EH-15-Q6N-LE12
		20	8214686	NEBM-L5G14-EH-20-Q6N-LE12
	• For EMMB-ST-57-... with CMMT-ST	2.5	8181677	NEBM-L10G14-EH-2.5-Q6N-LE12
		5	8181667	NEBM-L10G14-EH-5-Q6N-LE12
		7	8181674	NEBM-L10G14-EH-7.5-Q7N-LE12
		10	8181673	NEBM-L10G14-EH-10-Q7N-LE12
		15	8214689	NEBM-L10G14-EH-15-Q9N-LE12
		20	8214690	NEBM-L10G14-EH-20-Q9N-LE12
	• For EMMB-ST-87-... with CMMT-ST	2.5	8181666	NEBM-L10G14-EH-2.5-Q7N-LE12
		5	8181671	NEBM-L10G14-EH-5-Q7N-LE12
		7	8214687	NEBM-L10G14-EH-7.5-Q9N-LE12
		10	8214688	NEBM-L10G14-EH-10-Q9N-LE12
		15	8214689	NEBM-L10G14-EH-15-Q9N-LE12
		20	8214690	NEBM-L10G14-EH-20-Q9N-LE12

Possible cable and tube lengths

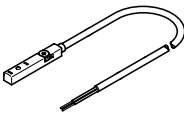
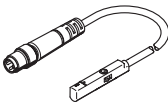
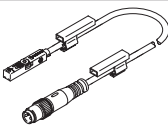
- Cables and tubing are selected so that the length specified when ordering will be the minimum connection length from the energy chain output.
- Cables and tubing are only available in fixed lengths as stated in the table below. This can mean that the cable plugs of the different cables do not end at the same point.

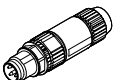
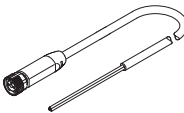
Length	1 m	2 m	5 m	7 m	10 m
Motor cable	–	■	■	■	■
Encoder cable	–	■	■	■	■
Multi-pin plug connecting cable	–	■	■	■	■
Tubing (for DHMZ only)	■	■	■	–	–

Ordering data – Accessories

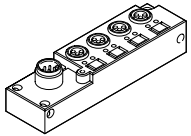
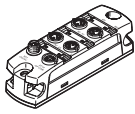
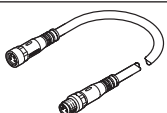
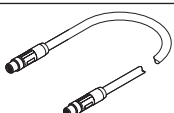
Standard components within the handling system

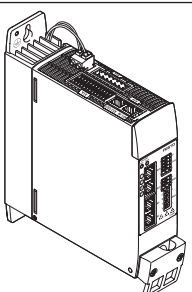
The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. You can alter the type and scope of the accessories in the configurator HGO on the "System configuration" page.

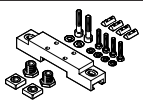
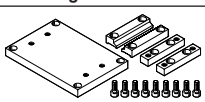
Designation	Description	Cable length [m]	Part no.	Type	
Proximity switch (inductive) for sensing the position of the slide on the X-/Y-/Z-axis					
	Cable with open end - For toothed belt axis ELGD-TB - For ball screw axis ELGC-BS - For ball screw axis ELGD-BS - For mini slide EGSC - For DC voltage Included if the "Festo sensor package" is selected: - For ELGC: 2 pieces - For EGSC: 1 piece	PNP, N/C contact	7.5	551391	SIES-8M-PO-24V-K-7.5-OE
		PNP, N/O contact	7.5	551386	SIES-8M-PS-24V-K-7.5-OE
		NPN, N/C contact	7.5	551401	SIES-8M-NO-24V-K-7.5-OE
		NPN, N/O contact	7.5	551396	SIES-8M-NS-24V-K-7.5-OE
Proximity switches (magneto-resistive) for sensing the position of the slide on the Z-axis					
	- For mini slide DGST-8/-12 - For DC voltage Included if the "Festo sensor package" is selected: 2 pieces	PNP, N/O contact	2.5	551375	SMT-10M-PS-24V-E-0.3-L-M8D
		NPN, N/O contact	2.5	551379	SMT-10M-NS-24V-E-0.3-L-M8D
	- For mini slide DGST-16/-20 - For DC voltage Included if the "Festo sensor package" is selected: 2 pieces	PNP, N/O contact	2.5	574334	SMT-8M-A-PS-24V-E-0.3-M8D
		NPN, N/O contact	2.5	574339	SMT-8M-A-NS-24V-E-0.3-M8D

Designation	Description	Cable length [m]	Part no.	Type
Plug socket with cable				
	• Connection between multi-pin plug distributor NEDU and control cabinet	5	525618	SIM-M12-8GD-5-PU
		10	570008	SIM-M12-8GD-10-PU
		20	5105632	SIM-M12-8GD-20-PU
Plug				
	• For connection to the multi-pin plug distributor NEDU / distributor NEDY	—	562024	NECU-S-M8G3-HX
Connecting cable				
	• Connection between distributor NEDY and control cabinet	2.5	8078227	NEBA-M8G4-U-2.5-N-LE4
		5	8078228	NEBA-M8G4-U-5-N-LE4
		7.5	8215486	NEBA-M8G4-U-7.5-N-LE4
		10	8078229	NEBA-M8G4-U-10-N-LE4
		15	8215487	NEBA-M8G4-U-15-N-LE4

Ordering data – Accessories

Designation	Description	Cable length [m]	Part no.	Type
Multi-pin plug distributor				
	- With the help of the multi-pin plug distributor, all electrical signals such as for end-position sensing can be transferred – 4 individual connections	–	574586	NEDU-L4R1-M8G3L-M12G8
	- With the help of the distributor, all electrical signals such as for end-position sensing can be transferred – 2 individual connections	–	8005312	NEDY-L2R1-V1-M8G3-N-M8G4
Digital input module				
	Digital input module with 4/8 inputs	–	8086605	CPX-AP-I-4DI-M8-3P
			8086601	CPX-AP-I-4DI4DO-M8-3P
			8086600	CPX-AP-I-8DI-M8-3P
Connecting cable				
	For input module	5	8065108	NEBL-M8G4-E-5-N-M8G4
		10	8065115	NEBL-M8G4-E-10-N-M8G4
		15	8065119	NEBL-M8G4-E-15-N-M8G4
		5	8065129	NEBC-D8G4-ES-5-N-S-D8G4-ET
		10	8065133	NEBC-D8G4-ES-10-N-S-D8G4-ET
		15	8065135	NEBC-D8G4-ES-15-N-S-D8G4-ET
		20	8146031	NEBC-D8G4-ES-20-N-S-D8G4-ET

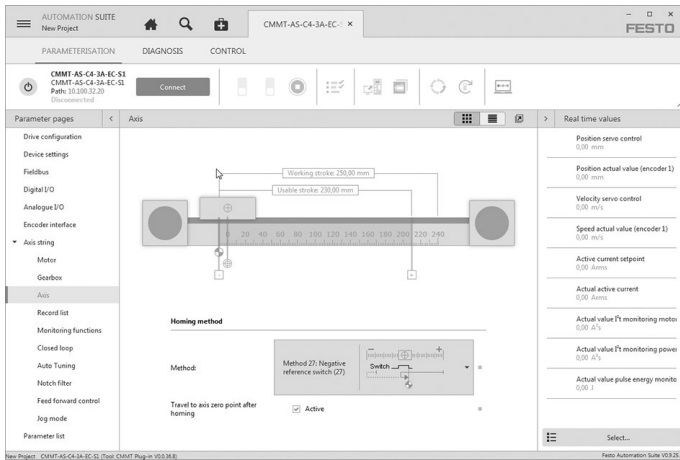
Designation	Description
Motor controller/servo drive	
	The accessories for the relevant motor controllers/servo drives can be found at:
	www.festo.com/catalogue/cmmt

Designation	Description	Part no.	Type
Adjusting kit			
	- Used to mount the handling system on the supporting surface - Can be used to easily compensate for any unevenness in the bearing surface	EHMX-...-ELGC-60-BS	8142650
		EHMX-...-ELGC-80-BS	8142651
		EHMX-...-ELGD-60-BS	8234417
		EHMX-...-ELGD-80-BS	8234418
Mounting kit			
	- Used to mount the handling system on the supporting surface - It is not height-adjustable	EHMX-...-ELGC-60-BS	8142652
		EHMX-...-ELGC-80-BS	8142653
		EHMX-...-ELGD-60-BS	8234422
		EHMX-...-ELGD-80-BS	8234423

Programming aid

Festo Automation Suite

Parameterisation and programming software for electronic devices from Festo



- Parameterisation, programming and commissioning in a clear and user-friendly interface
- Optimum support for complex processes thanks to guided wizards (e.g. for commissioning, drive configuration, etc.)
- Fast access to the required documents and additional information
- Easy integration of electric drives in the controller programming