



Key features

At a glance

The planar surface gantry facilitates movement in 2D space. Depending on the requirements, the gantry is either composed of several axis modules (YXCF) or using the planar surface gantries EXCM or EXCH (YXMF). These are all tried-and-tested components from Festo.

- Can be used generally for light to very heavy workpieces or high payloads
- Especially suitable for very long strokes
- High mechanical rigidity and sturdy design
- Freely positionable/any intermediate positions



Description of the modules

X-module

Design:

Depending on the configuration, the X-module comprises either two drive axes joined together by a connecting shaft (YXCF) or one drive axis + separate guide axis (YXCF-B).

They are powered by a servo or stepper motor.

Adapters are mounted on the slides of the X-axes 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:

- For any movements in 2D space
- Very demanding requirements for precision and/or very heavy workpieces combined with long strokes (YXCR)
- 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 of the X-module
- [3] Multi-pin plug distributor which transfers all the electrical signals such as for end-position sensing
- [4] Energy chain for the X-module
- [5] Energy chain for the Y-module
- [6] Y-axis[7] X-axis
- [8] Profile mounting/adjusting kit

Description of the modules Y-module

Design:

The Y-module EHMY comprises a linear axis which is powered by a servo or stepper motor.

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)

XY-module (EXCM, EXCH)

Design:

A slide is moved in a two-dimensional space (X-axis/Y-axis) via a toothed belt. The system is powered by two fixed motors. The motors are coupled to the toothed belt. The belt is guided via guide pulleys so that the slide can move to any position in a working space when the motors are actuated accordingly.

When using attachment components, additional processes can be carried out by independent Z-axes.





Sample image:



Dispatch options Fully assembled:

System overview¹⁾

The 2D planar surface gantry is fully assembled. All cables 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 \rightarrow table below.

Partially assembled:

The 2D planar surface gantry is delivered partially assembled. This means that both axis modules (X-/Y-axis) are assembled, each with optional motors. The partially assembled system must be completed by the customer. Help can be found in the assembly instructions provided.

Optional accessories (\rightarrow page 10) are enclosed. Note flatness \rightarrow table below.

Size	YXCF-1	YXCF-2	YXCF-3	YXCF-4	YXMF-1	YXMF-2	YXMF-3
Max. working stroke	X: 1900 mm Y: 1800 mm	X: 3000 mm Y: 1820 mm	X: 3000 mm Y: 1755 mm	X: 3000 mm Y: 1640 mm	X: 700 mm Y: 510 mm	X: 2000 mm Y: 1000 mm	X: 2500 mm Y: 1500 mm
Max. payload	Dependent on the	selected dynamic r	esponse				
Required flatness of the mounting surface	≤ 0.1 mm/m						
Mounting position	Horizontal						
mounting position	nonzoniai						
	ΠΟΠΖΟΠΙΔΙ	:				÷	
	YXCF-1-B			YXCF-2	2-B		
Size				YXCF-2 X: 100			
Size	YXCF-1-B			-	00 mm		
Size Max. working stroke	YXCF-1-B X: 800 mm	selected dynamic r	esponse	X: 100	00 mm		
Size Max. working stroke Max. payload Required flatness of the mounting surface	YXCF-1-B X: 800 mm Y: 600 mm	selected dynamic r	esponse	X: 100	00 mm		

1) Drive package depends on the configuration selected.

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:

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

Selecting the handling solution Select your handling system



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



Data protection

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

Back Continue

Key features

Configurator: Handling Guide Online (HGO)

Result of the calculation

The following are available immediately:

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

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

		alculation e system and continue wit	h the configuration:		Selection Filter
	No.	System series	System workload i	Repetition accuracy (+/-)	Your price
•	1	YXMF-1	75 %	0.05 mm	ø
	3	YXCF-1	22 %	0.11 mm	¢.
	5	YXCF-2	72 %	0.11 mm	
	7	YXCF-2	75 %	0.11 mm	
	9	YXCF-2	9 %	0.11 mm	1

2D gantry YXMF-1: #1

Drive module	XY module: Planar surface gantry EXCM-30
Kinematics type	Parallel kinematics
Stroke	100 mm/120 mm
Repetition accuracy (+/-)	×.
Gear unit	Without
Type of motor	Stepper motor EMMS-ST
Motor position	Underneath
Motor controller	CMXH-ST2
Data protection	Back Continu

System overview

You will be given an overview of the	•	Show price
complete system.	•	Send reque
You will also have the following options:	•	Add to bas

est

sket

Your handling solution Your ected system



Data protection

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 the calculation" page.

Drives/axes

X-axis

Toothed belt axis EGC-TB-KF



Guide axis ELFC



• Rigid, closed profile

• Electrical

- Recirculating ball bearing guide for high loads and torques • High dynamic response and mini-
- mum vibration

Driveless linear guide unit with guide and freely movable slide unit • The guide axis is designed to support forces and torques in multi-axis





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

Y-axis

Toothed belt axis EGC-TB-KF



Toothed belt axis EGC-HD-TB



• Electrical

applications

• Rigid, closed profile

• Electrical

profile • Duo guide rail

long service life

- Recirculating ball bearing guide for high loads and torques
- High dynamic response and minimum vibration

• Flat drive unit with rigid, closed

• For maximum loads and torques, high feed forces and speeds and



Ball screw axis ELGC-BS

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

Ball screw axis ELGC-BS

Possible axis o	ombinations ¹⁾	
Size	X-module	Y-module
YXCF-1	• Toothed belt axis EGC-50-TB-KF	• Toothed belt axis EGC-50-TB-KF
YXCF-1-B	Ball screw axis ELGC-60-BS	Ball screw axis ELGC-45-BS Ball screw axis ELGC-60-BS
YXCF-2	Toothed belt axis EGC-80-TB-KF	 Toothed belt axis EGC-80-TB-KF Toothed belt axis with heavy-duty guide EGC-HD-125-TB
YXCF-2-B	Ball screw axis ELGC-80-BS	Ball screw axis ELGC-60-BS Ball screw axis ELGC-80-BS
YXCF-3	Toothed belt axis EGC-120-TB-KF	 Toothed belt axis EGC-120-TB-KF Toothed belt axis with heavy-duty guide EGC-HD-160-TB
YXCF-4	Toothed belt axis EGC-185-TB-KF	 Toothed belt axis EGC-185-TB-KF Toothed belt axis with heavy-duty guide EGC-HD-220-TB
YXMF-1	Planar surface gantry EXCM-30	Planar surface gantry EXCM-30
YXMF-2	Planar surface gantry EXCM-40, EXCH-40	Planar surface gantry EXCM-40, EXCH-40
YXMF-3	Planar surface gantry EXCH-60	Planar surface gantry EXCH-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



Stepper motors EMMT-ST



Gear unit EMGA



- 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
- 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
- Low-backlash planetary gear
- Gear ratio
- i = 3 and 5Life-time lubrication

Servo motors EMMB-AS



Stepper motors EMMB-ST



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

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/IPModbus TCP

2024/12 - Subject to change

Ordering data – Accessories

Module/motor combinations

We recommend that the 2D planar surface gantry is operated with the proposed 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				
	Servo motor		Stepper motor		
X-module					
EHMX-EGC-50-TB-KF	-	-	EMMT-ST-42-L	EMMB-ST-42-L	
EHMX-EGC-80-TB-KF	EMMT-AS-60-L-LS	-	EMMT-ST-57-L	EMMB-ST-57-L	
	EMMT-AS-100-M-HS				
EHMX-EGC-120-TB-KF	EMMT-AS-80-L-LS	-	-	-	
	EMMT-AS-80-L-HS				
EHMX-EGC-185-TB-KF	EMMT-AS-100-L-HS	-	-	-	
	EMMT-AS-100-H-HS	-	-	-	
	EMMT-AS-150-M-HS-R2	-	-	-	
EHMX-ELGC-60-BS	-	EMMB-AS-80-07	EMMT-ST-57-L	EMMB-ST-57-L	
EHMX-ELGC-80-BS	-	EMMB-AS-80-07	EMMT-ST-87-M	EMMB-ST-87-M	
Y-module					
EHMYEGC-50-TB-KF	-	-	EMMT-ST-57-L	EMMT-ST-57-L	
EHMYEGC-80-TB-KF	EMMT-AS-60-S-LS	-	EMMT-ST-57-M	EMMT-ST-57-M	
EHMYEGC-120-TB-KF	EMMT-AS-80-L-LS	-	_	_	
	EMMT-AS-80-L-HS				
EHMYEGC-125-TB-HD	EMMT-AS-60-L-LS	-	EMMT-ST-57-M	EMMT-ST-57-M	
EHMYEGC-160-TB-HD	EMMT-AS-80-M-LS	-	-	-	
	EMMT-AS-80-L-HS				
EHMYEGC-185-TB-KF	EMMT-AS-100-L-HS	-	-	-	
EHMYEGC-220-TB-HD	EMMT-AS-100-L-HS	-	-	-	
	EMMT-AS-100-H-HS	-	-	-	
EHMY-RP-ELGC-45-BS	-	EMMB-AS-40-01	EMMT-ST-42-L	EMMB-ST-42-L	
EHMY-RP-ELGC-60-BS	-	EMMB-AS-60-04	EMMT-ST-57-L	EMMB-ST-57-L	
EHMY-RP-ELGC-80-BS	-	EMMB-AS-60-04	EMMT-ST-87-M	EMMB-ST-87-M	
XY-module (EXCM, EXCH)					
EXCM-30	-	-	EMMT-ST-42-L	EMMB-ST-42-L	
EXCM-40	-	-	EMMT-ST-87-S	EMMB-ST-87-S	
EXCH-40	EMMT-AS-80-M-LS	-	-		
	EMMT-AS-80-L-HS	-	-		
EXCH-60	EMMT-AS-100-M-HS	-	-		
	EMMT-AS-150-M-HV-R3	-	_		

Ordering data – Accessories

Ordering data					
	Description	Cable length	Part no.	Туре	
		[m]			
or servo motor EMMT-A	S				
lotor cable					
	• For EMMT-AS-60/80R2 with CMMT-AS	2.5	5251374	NEBM-	M23G15-EH-2.5-Q7N-R3LEG14
		5	5251375	NEBM-	M23G15-EH-5-Q7N-R3LEG14
A CE		7.5	5251376	NEBM-	M23G15-EH-7.5-Q7N-R3LEG14
a de la companya de		10	5251377	NEBM-	M23G15-EH-10-Q7N-R3LEG14
e L.		15	5251378	NEBM-	M23G15-EH-15-Q7N-R3LEG14
		20	5251379	NEBM-	M23G15-EH-20-Q7N-R3LEG14
	 For EMMT-AS-100R2 with CMMT-AS 	2.5	5251381	NEBM-	M23G15-EH-2.5-Q9N-R3LEG14
	 For EMMT-AS-150R2 with CMMT-AS 	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
	• For EMMT-AS-150R3 with CMMT-AS	2.5	5251395	NEBM-	M40G15-EH-2.5-Q11N-R3LEG14
		5	5251396	NEBM-	M40G15-EH-5-Q11N-R3LEG14
		7.5	5251397	NEBM-	M40G15-EH-7.5-Q11N-R3LEG14
		10	5251398	NEBM-	M40G15-EH-10-Q11N-R3LEG14
		15	5251399	NEBM-	M40G15-EH-15-Q11N-R3LEG14
		20	5251400	NEBM-	M40G15-EH-20-Q11N-R3LEG14
	AS	Cable lo [m]	ength Part no	υ.	Туре
For servo motor EMMB-A Motor cable		[m]			
	• For EMMB-AS-40/60/80 with CMMT-AS		52	19197 19198	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4
		[m] 2.5	52	19197	NEBM-H6G4-E-2.5-Q13N-LE4
		[m] 2.5 5	52 52 52	19197 19198	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4
		[m] 2.5 5 7.5	52 52 52 52	19197 19198 19199	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4
lotor cable		[m] 2.5 5 7.5 10	52 52 52 52	19197 19198 19199 19200	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4
lotor cable	For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15	52 52 52 52 52 80	19197 19198 19199 19200 97203	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4
lotor cable		[m] 2.5 5 7.5 10 15 2.5	52 52 52 52 52 80 80	19197 19198 19199 19200 97203 19213	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6
Aotor cable	For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5	52 52 52 52 52 52 80 52 52 52	19197 19198 19199 19200 97203 19213 19214	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6
Aotor cable	For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5	52 52 52 52 52 52 52 52 52 52	19197 19198 19199 19200 97203 19213 19214 19215	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-7.5-Q14N-REG6
lotor cable	For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5	52 52 52 52 52 52 52 52 52 52 52 52	19197 19198 19199 19200 97203 19213 19214	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6
ncoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10	52 52 52 52 52 52 52 52 52 52 52 52	19197 19198 19199 19200 97203 19213 19214 19215 19216	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6
ncoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 10 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6
ncoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 2.5 2.5 2.5 5 7.5 10 10 15 2.5 5 7.5 10 15 15 10 15 15 10 15 15 10 15 15 15 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6
Aotor cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2
Aotor cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 2.5 5 7.5 10 15 7.5 10 15 7.5 10 15 7.5 10 15 7.5 10 15 7.5 5 7.5 10 15 7.5 5 7.5 10 15 7.5 5 7.5 5 7.5 5 7.5 5 7.5 5 7.5 10 15 7.5 5 7.5 10 15 7.5 7.5 10 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19205 19206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-7.5-Q14N-LE2
ncoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2
otor cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 2.5 5 7.5 10 10 15 10 10 15 10 10 15 10 10 15 10 10 15 10 10 15 10 10 15 10 10 15 10 10 10 15 10 10 10 15 10 10 10 10 10 10 10 10 10 10	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206 19207 19208	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-LE2 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-7.5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2
Incoder cable		[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 15 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206 19207 19208 97206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2
Incoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 75 10 15 75 10 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206 19207 19208 97206 97206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-LE2 NEBM-H7G2-E-5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2
Incoder cable		[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 15 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19213 19214 19215 19216 97200 19205 19206 19207 19208 97206	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2
Incoder cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 7.5 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19214 19214 19215 19216 97200 19205 19206 19207 19208 97206 with CMM 97197	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-7.5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2
Aotor cable		[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 15 10 15 7.5 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19214 19214 19215 19216 97200 19205 19206 19207 19208 97206 with CMM 97197	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-7.5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-7.5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-REG6 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-5-Q14N-LE2 NEBM-H7G2-E-10-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2
Notor cable	For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS For EMMB-AS-40/60/80 with CMMT-AS	[m] 2.5 5 7.5 10 15 2.5 5 7.5 10 15 2.5 5 7.5 10 10 15 7.5 10 10 15 15 15 15 15 15 15 15 15 15	52 52 52 52 52 52 52 52 52 52 52 52 52 5	19197 19198 19199 19200 97203 19214 19215 19216 97200 19205 19206 19207 19208 97206 97206 with CMM 97197	NEBM-H6G4-E-2.5-Q13N-LE4 NEBM-H6G4-E-5-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-10-Q13N-LE4 NEBM-H6G4-E-15-Q13N-LE4 NEBM-REG6-E-2.5-Q14N-REG6 NEBM-REG6-E-5-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-10-Q14N-REG6 NEBM-REG6-E-15-Q14N-LE2 NEBM-H7G2-E-2.5-Q14N-LE2 NEBM-H7G2-E-5-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2 NEBM-H7G2-E-15-Q14N-LE2

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

Ordering data – Accessories

Designation	Description	Cable length [m]	Part no.	Туре
For stepper motor EMMT-ST Motor cable	ſ			
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
"AJ	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
	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
Designation	Description	Cable length	Part no.	Туре
C .				
For stepper motor EMMB-S		Cable length		
For stepper motor EMMB-S		Cable length		
For stepper motor EMMB-S Notor cable	T	Cable length [m]	Part no.	Туре
for stepper motor EMMB-S Notor cable	T	Cable length [m] 2.5	Part no. 8181675	Type NEBM-L5G14-EH-2.5-Q6N-LE12
for stepper motor EMMB-S Notor cable	T	Cable length [m] 2.5 5	Part no. 8181675 8181664	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12
For stepper motor EMMB-S	T	Cable length [m] 2.5 5 7	Part no. 8181675 8181664 8181676	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12
for stepper motor EMMB-S Notor cable	T	Cable length [m] 2.5 5 7 10	Part no. 8181675 8181664 8181676 8181672	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12
for stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST	Cable length [m] 2.5 5 7 10 15	Part no. 8181675 8181664 8181676 8181672 8214680	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12
For stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5	Part no. 8181675 8181664 8181676 8181672 8214680 8181677	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12
for stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 5	Part no. 8181675 8181664 8181676 8181672 8214680 8181677 8181667	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-25-Q6N-LE12
For stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 7 7	Part no. 8181675 8181664 8181676 8181672 8214680 8181677 8181667 8181674	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12 NEBM-L10G14-EH-7.5-Q7N-LE12
for stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 7 7 10 15 2.5 5 7 10	Part no. 8181675 8181664 8181676 8181672 8214680 8181677 8181667 8181674 8181673	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12 NEBM-L10G14-EH-7.5-Q7N-LE12 NEBM-L10G14-EH-10-Q7N-LE12
For stepper motor EMMB-S Notor cable	For EMMB-ST-42 with CMMT-ST For EMMB-ST-57 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 7 10 15 2.5 5 7 10 10 15	Part no. 8181675 8181664 8181676 8181677 8181667 8181667 8181677 8181673 8214689	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12 NEBM-L10G14-EH-7.5-Q7N-LE12 NEBM-L10G14-EH-10-Q7N-LE12 NEBM-L10G14-EH-15-Q9N-LE12
For stepper motor EMMB-S Motor cable	For EMMB-ST-42 with CMMT-ST For EMMB-ST-57 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 7 10 15 2.5 5 7 10 15 2.5 5 7	Part no. 8181675 8181664 8181676 8181672 8214680 8181677 8181667 8181673 8214689 8181666	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L5G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12 NEBM-L10G14-EH-5-Q6N-LE12 NEBM-L10G14-EH-5-Q6N-LE12 NEBM-L10G14-EH-7.5-Q7N-LE12 NEBM-L10G14-EH-10-Q7N-LE12 NEBM-L10G14-EH-15-Q9N-LE12 NEBM-L10G14-EH-15-Q9N-LE12 NEBM-L10G14-EH-15-Q9N-LE12 NEBM-L10G14-EH-15-Q9N-LE12 NEBM-L10G14-EH-15-Q9N-LE12
Designation For stepper motor EMMB-S Motor cable	For EMMB-ST-42 with CMMT-ST For EMMB-ST-57 with CMMT-ST	Cable length [m] 2.5 5 7 10 15 2.5 5 7 10 15 2.5 5 7 10 15 2.5 5 5 5 5 5	Part no. Part no. 8181675 8181664 8181676 8181672 8181677 8181667 8181677 8181674 8181673 8214689 8181666 8181671	Type NEBM-L5G14-EH-2.5-Q6N-LE12 NEBM-L5G14-EH-5-Q6N-LE12 NEBM-L5G14-EH-7.5-Q6N-LE12 NEBM-L5G14-EH-10-Q6N-LE12 NEBM-L10G14-EH-15-Q6N-LE12 NEBM-L10G14-EH-2.5-Q6N-LE12 NEBM-L10G14-EH-7.5-Q7N-LE12 NEBM-L10G14-EH-15-Q9N-LE12 NEBM-L10G14-EH-2.5-Q7N-LE12 NEBM-L10G14-EH-2.5-Q7N-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 scope and design of the accessories in the configurator HGO on the "System configuration" page.

Designation	Description		Cable length [m]	Part no.	Туре
Proximity switch (induct	ive) for sensing the position of the slide on the X-/Y-/Z-	axis			
	Cable with open end				
and all	• For toothed belt axis EGC-TB,	PNP, N/C contact	7.5	551391	SIES-8M-PO-24V-K-7.5-OE
E B	EGC-HD-TB	PNP, N/O contact	7.5	551386	SIES-8M-PS-24V-K-7.5-0E
Č –	 For ball screw axis EGC-BS 	NPN, N/C contact	7.5	551401	SIES-8M-NO-24V-K-7.5-OE
	 For ball screw axis ELGC-BS For DC voltage 	NPN, N/O contact	7.5	551396	SIES-8M-NS-24V-K-7.5-0E
	 For EGC, ELGC: 2 pieces 				
Proximity switches for se	ensing the position of the slide on the X-axis	1			
Color Color	• For EXCM-40, EXCH-40, EXCH-60	PNP, N/O contact	-	150491	SIES-V3B-PS-S-L
/	• For EXCM-40, EXCH-40, EXCH-60	PNP, N/C contact	-	174552	SIES-Q8B-PO-K-L
C 0 0	Included if the "Festo sensor package" is selected: • 1 piece	·			
Proximity switch (induct	ive) for sensing the position of the slide on the Y-axis				
	Cable with plug				
and all	• For EXCM-40, EXCH-40, EXCH-60	PNP, N/C contact	0.3	551392	SIES-8M-PO-24V-K-0.3-M8D
ET A	For DC voltage	PNP, N/O contact	0.3	551387	SIES-8M-PS-24V-K-0.3-M8D
allin	Included if the "Festo sensor package" is selected: • 1 piece				

Ordering data – Accessories

Designation	Description	Cable length [m]	Part no.	Туре
Plug socket with cable				
	Connection between multi-pin plug distributor NEDU and control cabinet	5	525618	SIM-M12-8GD-5-PU
State -		10	570008	SIM-M12-8GD-10-PU
Plug				
	For connection to the multi-pin plug distributor NEDU / distributor NEDY	-	562024	NECU-S-M8G3-HX
all the second s				
Connecting cable				
	 Connection between distributor NEDY and control cabinet 	2.5	8078227	NEBA-M8G4-U-2.5-N-LE4
26		5	8078228	NEBA-M8G4-U-5-N-LE4
	W A	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
Multi-pin plug distributor				
//////////////////////////////////////	• With the help of the multi-pin plug distributor, all electrical signals such as	_	574586	NEDU-L4R1-M8G3L-M12G8
	for end-position sensing can be transferred		574587	NEDU-L6R1-M8G3L-M12G8
	Options:			
	 4 individual connections 			
	 6 individual connections 			
	• With the help of the distributor, all electrical signals such as for end-position	-	8005312	NEDY-L2R1-V1-M8G3-N-M8G4
	sensing can be transferred			
	 2 individual connections 			
Designation	Description			
Motor controller/servo driv	-			
	The accessories for the relevant motor controllers/servo drives can be found at:			
	 he accessories for the relevant motor controllers/servo drives can be found at: www.festo.com/catalogue/cmmt 			

Ordering data – Accessories

Designation	Description		Part no.	Туре
Mounting kit				
	Mounting kit for the energy chain and a Z-axis, such as EGSL, DGSL	• EXCM-30	4070088	EAHT-E9-FB-3D-30
Adjusting kit				
	Height-adjustable mounting kit	• EXCM-30	4070088	EADC-E11-30
Sensor mounting				
	For homing in combination with third-party	• EXCM-30	4070088	EAPR-E11-30
**************************************	motors			
Sensor mounting				
	For mounting the proximity switches	• EXCM-40, EXCH-40	2536353	EAPR-E12-40
	SIES-Q8B, SIES-V3B on the X-axis	EXCH-60	2478805	EAPR-E12-60
Energy chain				
(The	• As a cable guide for the Z-axis	• EXCM-30	8059999	EADH-U-3D-30
TUDIlla			8060324	EADH-U-3D-40
S D D D D D D D D D D D D D D D D D D D				
Connection kit	1	1		T
	Retaining brackets for mounting the energy	• EXCM-30	8060325	EAHT-AE-3D-30
883	chain		8060326	EAHT-AE-3D-40
Adjusting tool	-			
	• For aligning and checking the flatness of the planar surface gantry	EXCM-40, EXCH-40, EXCH-60	3197697	EADT-W-E12
001				
Adjusting kit				
ALCO.	• Used to mount the handling system on the	EHMXEGC-50-TB-KF	8047565	EADC-E15-50-E7
	supporting surface	EHMXEGC-80-TB-KF	8047566	EADC-E15-80-E7
	• Can be used to easily compensate for any	EHMXEGC-120-TB-KF	8047567	EADC-E15-120-E7
[∞]	unevenness in the bearing surface	EHMXEGC-185-TB-KF	8047568	EADC-E15-185-E7
		EHMXELGC-60-BS	8142650	EADC-E15-60-E22
		EHMXELGC-80-BS	8142651	EADC-E15-80-E22
Profile mounting				
~ <i>D</i>	• Used to mount the handling system on the	EHMXELGC-60-BS	8142652	EAHM-E15-60-E22
	supporting surface	EHMXELGC-80-BS	8142653	EAHM-E15-80-E22
888888888	 It is not height-adjustable 			

Programming support

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