

# Multifunctional Gate Box

## MGBS *Slimline*



**EUCHNER**  
More than safety.



Headquarters in Leinfelden-Echterdingen



Logistics center in Leinfelden-Echterdingen



Production location in Unterböhringen

## Internationally successful – the EUCHNER company

EUCHNER GmbH + Co. KG is a world-leading company in the area of industrial safety technology. EUCHNER has been developing and producing high-quality switching systems for mechanical and systems engineering for more than 60 years.

The medium-sized family-operated company based in Leinfelden, Germany, employs around 800 people around the world.

18 subsidiaries and other sales partners in Germany and abroad work for our international success on the market.

## Quality and innovation – the EUCHNER products

A look into the past shows EUCHNER to be a company with a great inventive spirit. We take the technological and ecological challenges of the future as an incentive for extraordinary product developments.

EUCHNER safety switches monitor safety doors on machines and installations, help to minimize dangers and risks and thereby reliably protect people and processes. Today, our products range from electromechanical and electronic components to intelligent integrated safety solutions. Safety for people, machines and products is one of our dominant themes.

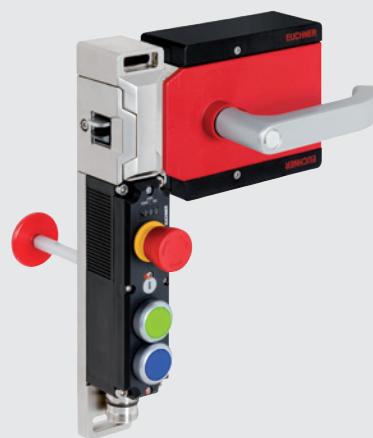
We define future safety technology with the highest quality standards and reliable technology. Extraordinary solutions ensure the great satisfaction of our customers. The product ranges are subdivided as follows:

- ▶ Transponder-coded Safety Switches
- ▶ Transponder-coded Safety Switches with guard locking
- ▶ Multifunctional Gate Box MGB
- ▶ Access management systems (Electronic-Key-System EKS)
- ▶ Electromechanical Safety Switches
- ▶ Magnetically coded Safety Switches
- ▶ Enabling Switches
- ▶ Safety Relays
- ▶ Emergency Stop Devices
- ▶ Hand-Held Pendant Stations and Handwheels
- ▶ Safety Switches with AS-Interface
- ▶ Joystick Switches
- ▶ Position Switches

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## The slimline safety door protection device MGBS

- Transponder-coded safety switch, door handle and end stop in one
- Space-saving design
- Handle module for intuitive operation



### Multifunctional Gate Box MGBS

This is the ideal solution wherever a slimline switch housing is advantageous, such as on safety fence corner posts.

Concealed mounting holes in the handle module and locking module provide excellent protection against tampering. A lockout mechanism is included in the handle module. This prevents the installation from starting, e.g. during maintenance and cleaning work. A simple plug connection reduces wiring work.

The system is optionally available with an emergency stop device and with controls and indicators. The resulting MGBS is a slimline safety door protection device with the properties of an MGB.

Thanks to the transponder technology, the system achieves category 4 / PL e according to EN ISO 13849-1 without additional fault exclusion. The MGBS complies with all the requirements of EN ISO 14119. With its high degrees of protection IP65, IP67 and IP69K and a locking force of 3,900 N, the MGBS is an all-rounder for demanding environments.

### System family AP

**AP** The system family AP is intended to be used for separate operation. The devices are particularly suitable for the connection of safety evaluation units and safety control systems that require short test pulses.

The AP devices generate test pulses on the safety outputs for short circuit monitoring. Due to the little wiring work, AP devices represent a low-cost solution.

### System family AR

**AR** In the AR version up to 20 devices belonging to the AR system family can be connected in series. The AR devices generate test pulses on the safety outputs for short circuit monitoring.

With this device, safety and status signals are collected together in the field and forwarded to the control system.

## System components at a glance

### **Locking module MGBS – guard locking for the protection of persons and processes**

The MGBS locking module is available in different versions for process protection guard locking or personnel protection guard locking. It can be mounted on left- or right-hinged swing doors and on sliding doors.

The system is optionally available with an emergency stop device and with controls and indicators. The resulting MGBS is a slimline safety door protection device with the properties of an MGB.

**Locking module MGBS**



### **Handle module MGBS**

The handle module is available for doors hinged on the right or for doors hinged on the left.

The bolt tongue of the handle module is reliably detected by a transponder as soon as it is fully inserted into the locking module. For cleaning and service on the machine, the bolt tongue can be locked with max. three padlocks using the automatically extending lockout mechanism. The MGBS additionally features a robust door handle that can be rotated in 90° steps. As an alternative to the door handle, the handle module can also be equipped or retrofitted with a door knob.

**Handle module MGBS**



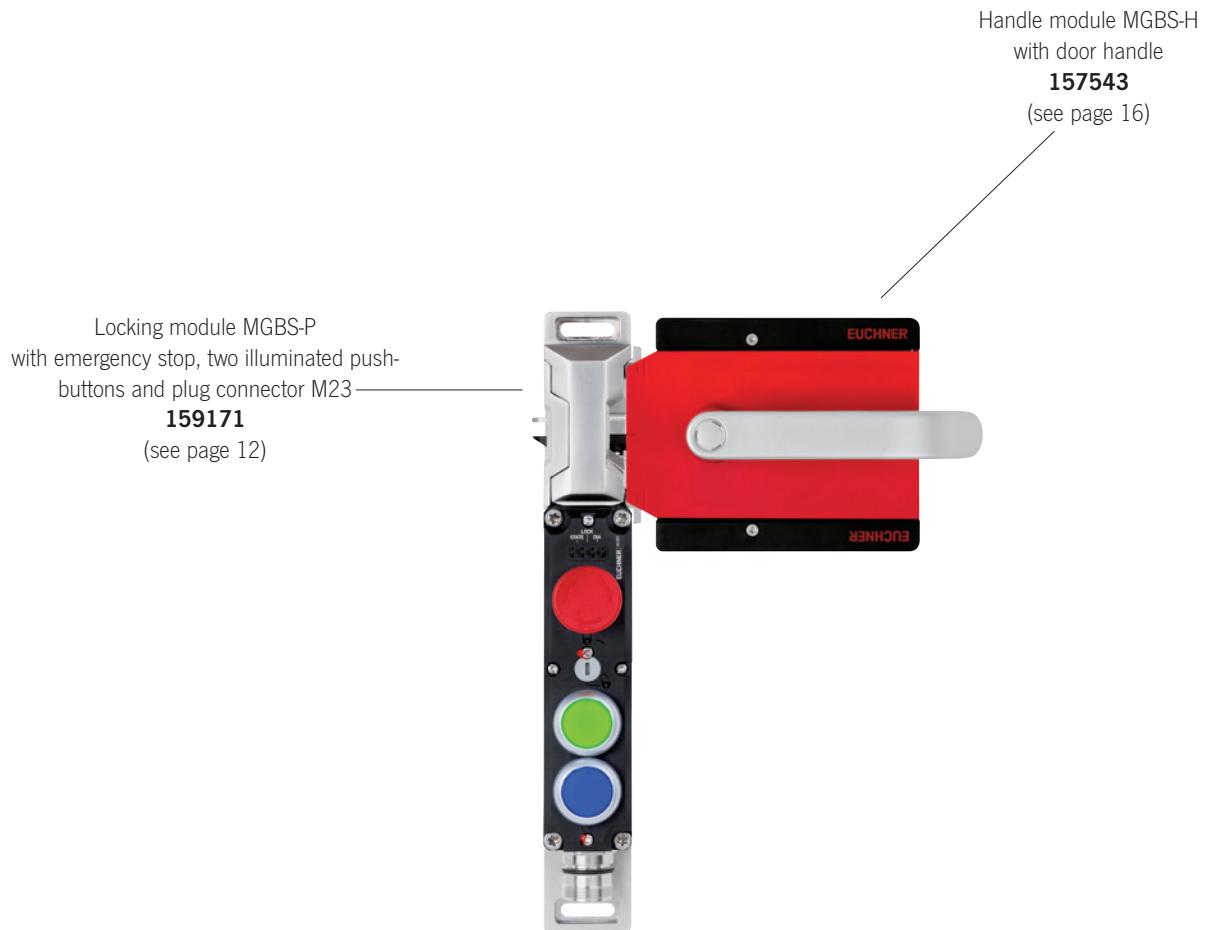
### **Inner door handle**

In combination with a locking module with escape release, the safety system must be equipped with an inner door handle. It enables people shut in to open the locked door from the danger zone.

**Inner door handle**



## Example for the combination of the MGBS





## »Maximum safety in the smallest possible space.«

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- ▶ Suitable for tight spaces, e.g. for corner solutions
- ▶ Several functions in one solution: door handle, switch, door stop
- ▶ Optionally with emergency stop, controls and indicators
- ▶ Optionally with escape release
- ▶ Category 4 / PL e according to EN ISO 13849-1

# MGBS

MGBS

**Locking module**

MGBS-P

**Handle module**

MGBS-H

**Inner door handle**

AE-R

**Locking modules MGBS-P-L.-AP....**

- ▶ Locking module for the protection of persons or processes (order handle module separately)
- ▶ Optionally with control elements, emergency stop and escape release
- ▶ Door stop can be changed to right/left
- ▶ Category 4/PL e for the evaluation of all safety functions

**Details****Available coding options**

- ▶ Unicode evaluation

**Guard locking types****L1 Closed-circuit current principle**

Guard locking by spring force.  
Release by applying voltage to the guard locking solenoid.

**L2 Open-circuit current principle**

Guard locking by solenoid force.  
Activation of the guard locking by applying voltage to the guard locking solenoid.

**Auxiliary release**

Included with all versions as standard.

**Door stop**

On the locking modules, the door stop can be changed from right to left and vice versa at any time with little effort.

**Escape release (optional)**

Some devices have an escape release.  
The escape release can be extended with the aid of the support brackets supplied.

**LED indicator**

<b>STATE</b>	Status
<b>LOCK</b>	Guard locking
<b>DIA</b>	Diagnostics

**Additional connections**

<b>OD</b>	Door monitoring output
<b>OI</b>	Diagnostic output

**Further information**

- ▶ Dimension drawings see p. 11
- ▶ Accessories and spare parts see p. 28
- ▶ For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

**Ordering table**

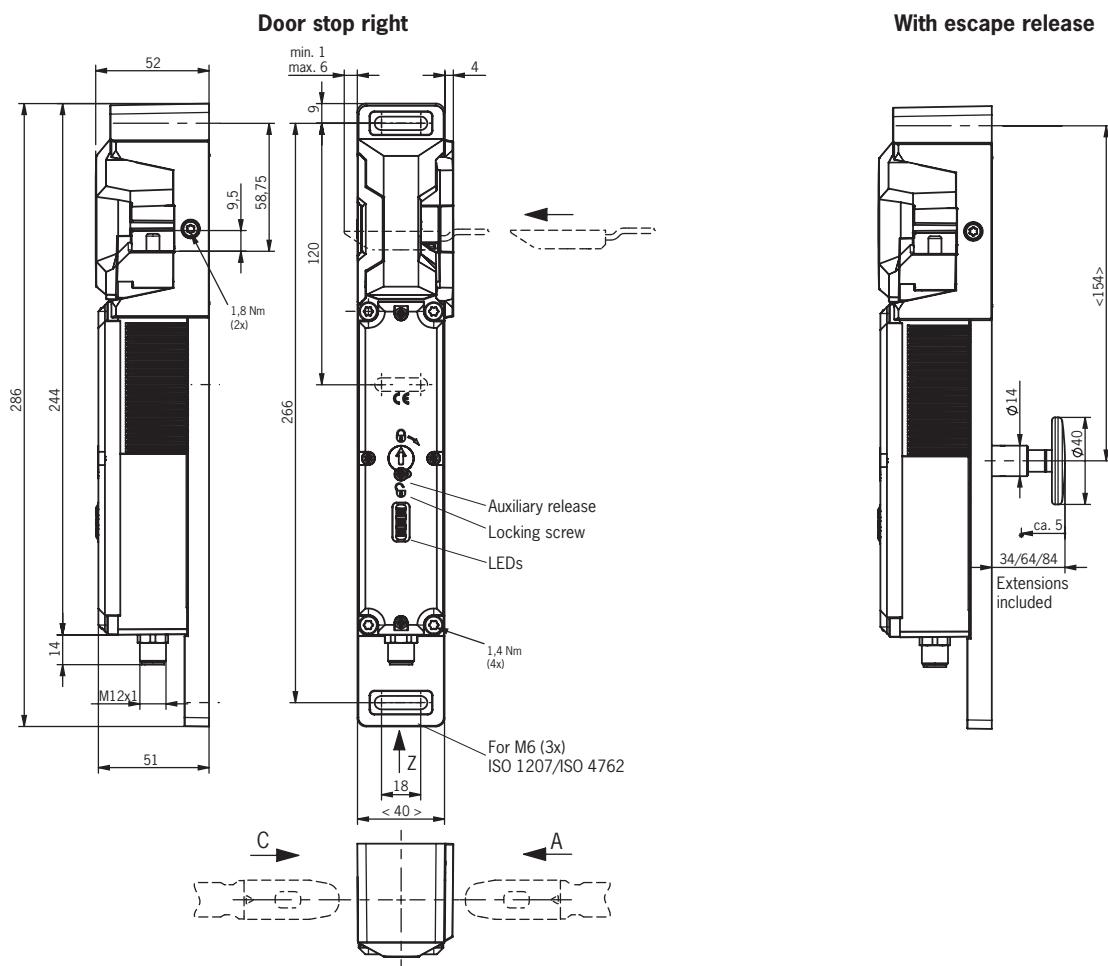
Version	Coding U = unicode	Escape re- lease	Door stop	Controls/indicators			Order no./item
				S1	S2/H2*	S3/H3*	
<b>MGBS-P-L1</b> Closed-circuit current principle							
	U	●	Right	–	–	–	<b>158320</b> MGBS-P-L1-AP-U-R-AE-SA-158320
	U	–	Right	–	–	–	<b>159366</b> MGBS-P-L1-AP-U-R-AZ-SA-159366

\* The color of the pushbuttons can be selected using the lens set included.

M12

8  
pin

MGBS-P-L-AP

**Dimension drawing****Terminal assignment**

M12

8  
pin

Pin	Designation	Function
1	IMP	Operating voltage of guard locking solenoid DC 24 V
2	UB	Operating voltage of AP electronics DC 24 V
3	F01A	Safety output, channel 1
4	F01B	Safety output, channel 2
5	OI	Diagnostic output
6	OD	Door monitoring output
7	OV	Operating voltage of AP electronics DC 0 V
8	IMM	Operating voltage of guard locking solenoid DC 0 V

**Locking modules MGBS-P-L.-AR-...**

- ▶ Locking module for the protection of persons or processes (order handle module separately)
- ▶ Optionally with control elements, emergency stop and escape release
- ▶ Door stop can be changed to right/left
- ▶ Category 4/PL e for the evaluation of all safety functions

**Details****Available coding options**

- ▶ Unicode evaluation

**Guard locking types****L1 Closed-circuit current principle**

Guard locking by spring force.  
Release by applying voltage to the guard locking solenoid.

**L2 Open-circuit current principle**

Guard locking by solenoid force.  
Activation of the guard locking by applying voltage to the guard locking solenoid.

**Auxiliary release**

Included with all versions as standard.

**Door stop**

On the locking modules, the door stop can be changed from right to left and vice versa at any time with little effort.

**Escape release (optional)**

Some devices have an escape release.  
The escape release can be extended with the aid of the support brackets supplied.

**Lens set**

The color of the pushbuttons can be selected using the lens set 120344 included (five colors).

**LED indicator**

<b>STATE</b>	Status
<b>LOCK</b>	Guard locking
<b>DIA</b>	Diagnostics

**Additional connections**

<b>OD</b>	Door monitoring output
<b>OI</b>	Diagnostic output

**Further information**

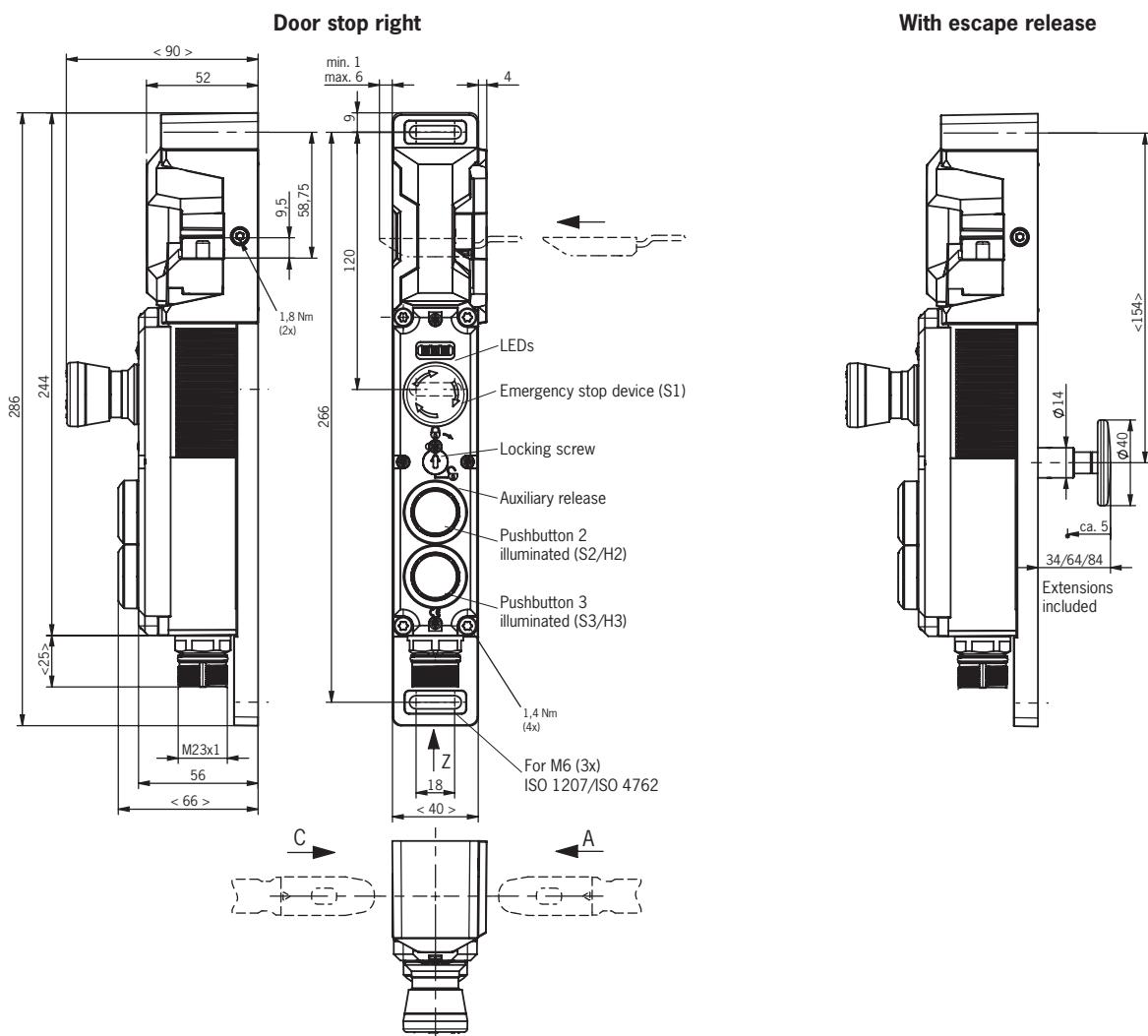
- ▶ Dimension drawings see p. 13
- ▶ Accessories and spare parts see p. 28
- ▶ For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

**Ordering table**

Version	Coding U = unicode	Escape re- lease	Door stop	Controls/indicators			Order no./item
				S1	S2/H2*	S3/H3*	
<b>MGBS-P-L1</b> Closed-circuit current principle							
	U	●	Right				<b>159086</b> MGBS-P-L1-AR-U-R-AEE-SH-159086
	U	-	Right				<b>159171</b> MGBS-P-L1-AR-U-R-AZE-SH-159171
	U	●	Right	-			<b>159170</b> MGBS-P-L1-AR-U-R-AEE-SH-159170
	U	-	Right	-			<b>159169</b> MGBS-P-L1-AR-U-R-AZE-SH-159169
	U	●	Right	-	-		<b>161206</b> MGBS-P-L1-AR-U-R-AEE-SH-161206
	U	-	Right	-	-		<b>161205</b> MGBS-P-L1-AR-U-R-AZE-SH-161205
<b>MGBS-P-L2</b> Open-circuit current principle							
	U	●	Right				<b>161678</b> MGBS-P-L2-AR-U-R-AEE-SH-161678
	U	-	Right				<b>158524</b> MGBS-P-L2-AR-U-R-AZE-SH-158524
	U	●	Right	-			<b>161081</b> MGBS-P-L2-AR-U-R-AEE-SH-161081

\* The color of the pushbuttons can be selected using the lens set included.

## Dimension drawing



**M23**    **19**  
 pin

### Terminal assignment

**M23**    **19**  
 pin

Pin	Designation	Function
1	IMP	Operating voltage of guard locking solenoid DC 24 V
2	FI1A	Enable input, channel 1
3	FI1B	Enable input, channel 2
4	FO1A	Safety output, channel 1
5	FO1B	Safety output, channel 2
6	UB	Operating voltage of AR electronics DC 24 V and controls and indicators DC 24 V
7	RST	Reset input
8	OD	Door monitoring output
9	OI	Diagnostic output
10	S1.A1	Emergency stop (channel A) if present
11	S1.A2	Emergency stop (channel A) if present
12	FE	Function earth
13	S1.B1	Emergency stop (channel B) if present
14	S1.B2	Emergency stop (channel B) if present
15	S2	Pushbutton 2 (illuminated) if present
16	H2	LED 2 if present
17	S3	Pushbutton 3 (illuminated)
18	H3	LED 3
19	OV	Operating voltage of AR electronics DC 0 V, controls/indicators DC 0 V, and operating voltage of guard locking solenoid DC 0 V



**Handle modules MGBS-H-...**

- ▶ Intelligent bolt tongue with transponder
- ▶ Automatically extending lockout mechanism
- ▶ Silver-colored door handle or door knob

**Details****Bolt tongue**

The bolt tongue is reliably detected by a transponder as soon as it is inserted into the locking module.

**Lockout mechanism (automatically extending)**

For cleaning and service on the machine, the bolt tongue can be locked with max. three padlocks using the automatically extending lockout mechanism. In this way the operation of the handle is prevented in the locked state.

**Door handle**

The MGBS has a robust door handle that can be rotated in 90° steps to suit all installations. The handle rotating direction is simple to adjust.

**Door knob**

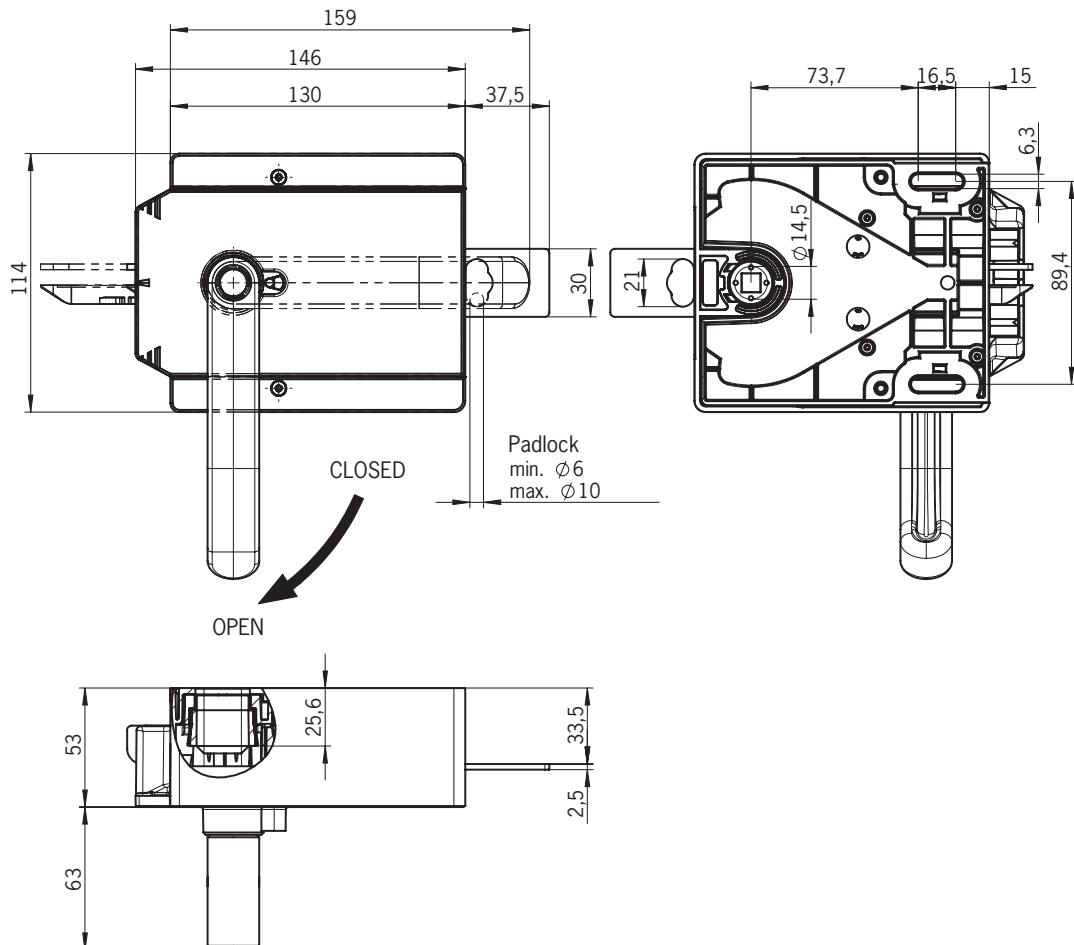
As an alternative to the door handle, the handle module can also be equipped or retrofitted with a door knob.

**Further information**

- ▶ Dimension drawings see p. 17
- ▶ Accessories and spare parts see p. 28
- ▶ For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

**Ordering table**

Version	Door handle	Door knob	Automatically extending lockout mechanism	Door stop (not adjustable)	Order no./item
	●		●	Right	<b>157543</b> MGBS-H-BA1A3-R-157543
	●		●	Left	<b>157544</b> MGBS-H-BA1A3-L-157544

**Dimension drawing**

## Inner door handle AE-R-S1



- ▶ Inner door handle silver colored
- ▶ A sticker describing the opening sequence is included with the handle module
- ▶ Extended actuation axis for thicker doors (order separately)

### Details

#### Inner door handle

In combination with a locking module with escape release, the safety system must be equipped with an inner door handle. It enables people shut in to open the locked door from the danger zone. The actuation axis supplied is suitable for profiles up to 40 mm.

#### Door knob

As an alternative to the door handle, the handle module can also be equipped or retrofitted with a door knob.

#### Extended actuation axis

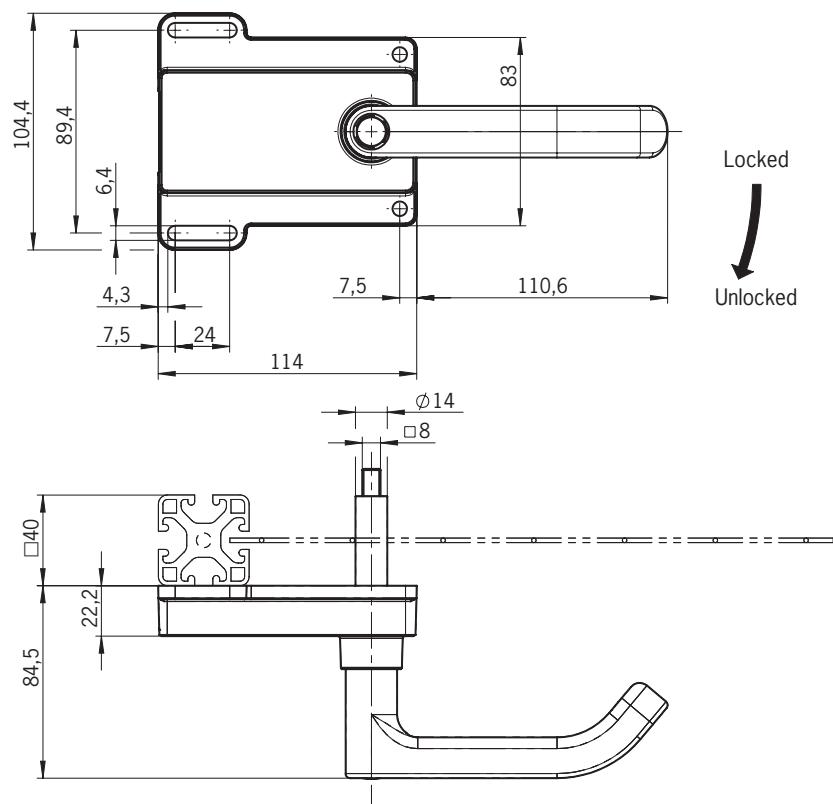
Optionally, a 250 mm (instead of 107 mm) long actuation axis 106761 can be ordered for thicker doors or profiles > 40 mm. The axis can be shortened to the required dimension.

#### Further information

- ▶ Dimension drawings see p. 19
- ▶ Accessories and spare parts see p. 28
- ▶ For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

## Ordering table

Version	Door handle	Door knob	Order no./item
	●		<b>158322</b> AE-R-S1-158322

**Dimension drawing**

»The complete sets – ready-made solutions with exactly the functions you need.«

- ▶ Safety system with guard locking and integrated evaluation electronics including handle module
- ▶ Several functions in one solution:  
door handle, safety door protection, door stop, lockout mechanism
- ▶ Space-saving design
- ▶ Optionally with control elements, emergency stop and escape release
- ▶ Category 4 / PL e according to EN ISO 13849-1
- ▶ Integrated AP/AR electronics
- ▶ Door monitoring output
- ▶ Suitable for doors hinged on the right or left and for sliding doors

MGBS

Sets

Sets

Complete sets



**Locking sets MGBS-P-L.H.-AP-...**

- Safety system with guard locking and integrated evaluation electronics including handle module
- Optionally with control elements, emergency stop and escape release
- Suitable for doors hinged on the right or left and for sliding doors

**Details****Guard locking types**

- L1 Closed-circuit current principle**  
Guard locking by spring force.  
Release by applying voltage to the guard locking solenoid.
- L2 Open-circuit current principle**  
Guard locking by solenoid force.  
Activation of the guard locking by applying voltage to the guard locking solenoid.

**Auxiliary release**

Included with all versions as standard.

**Escape release (optional)**

Some devices have an escape release.  
The escape release can be extended with the aid of the support brackets supplied.

**Lens set**

The color of the pushbuttons can be selected using the lens set 120344 included (five colors).

**Further information**

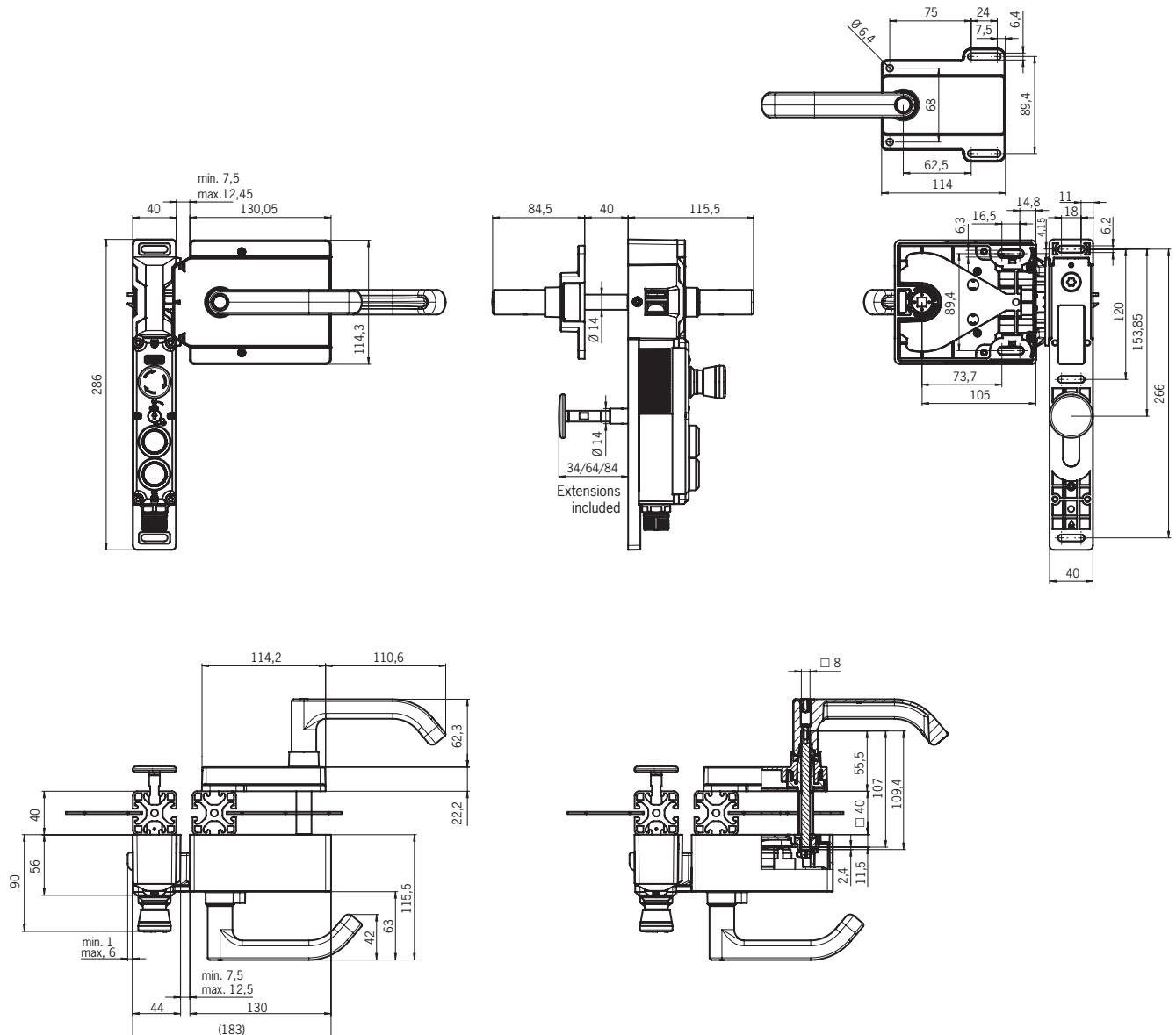
- Dimension drawings see p. 23
- Accessories and spare parts see p. 28
- For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

**Ordering table**

Version	Modules in the set						Ordering data, set	
	Locking module			Escape release	Handle module Order no. separate module	Inner door handle Order no. separate module		
	M12	8 pin	Controls/indicators					
	S1	S2*	S3*				Order no./item	
<b>MGBS-P-L1</b> Closed-circuit current principle								
158320	—	—	—	●	157543 157544	158322 158322	Right Left	<b>161558</b> MGBS-P-L1HE-AP-U-R-SA-161558
159366	—	—	—	—	157543 157544	— —	Right Left	<b>161565</b> MGBS-P-L1H-AP-U-R-SA-161565
								<b>161567</b> MGBS-P-L1H-AP-U-L-SA-161567

\* The color of the pushbuttons can be selected using the lens set included.

## Dimension drawing



**Locking sets MGBS-P-L.H.-AR...**

- ▶ Safety system with guard locking and integrated evaluation electronics including handle module
- ▶ Optionally with control elements, emergency stop and escape release
- ▶ Suitable for doors hinged on the right or left and for sliding doors

**Details****Guard locking types**

- L1 Closed-circuit current principle**  
Guard locking by spring force.  
Release by applying voltage to the guard locking solenoid.
- L2 Open-circuit current principle**  
Guard locking by solenoid force.  
Activation of the guard locking by applying voltage to the guard locking solenoid.

**Auxiliary release**

Included with all versions as standard.

**Escape release (optional)**

Some devices have an escape release.  
The escape release can be extended with the aid of the support brackets supplied.

**Lens set**

The color of the pushbuttons can be selected using the lens set 120344 included (five colors).

**Further information**

- ▶ Dimension drawings see p. 26
- ▶ Accessories and spare parts see p. 28
- ▶ For detailed information, enter the order number for the product in the search box at [www.euchner.com](http://www.euchner.com).

**Ordering table**

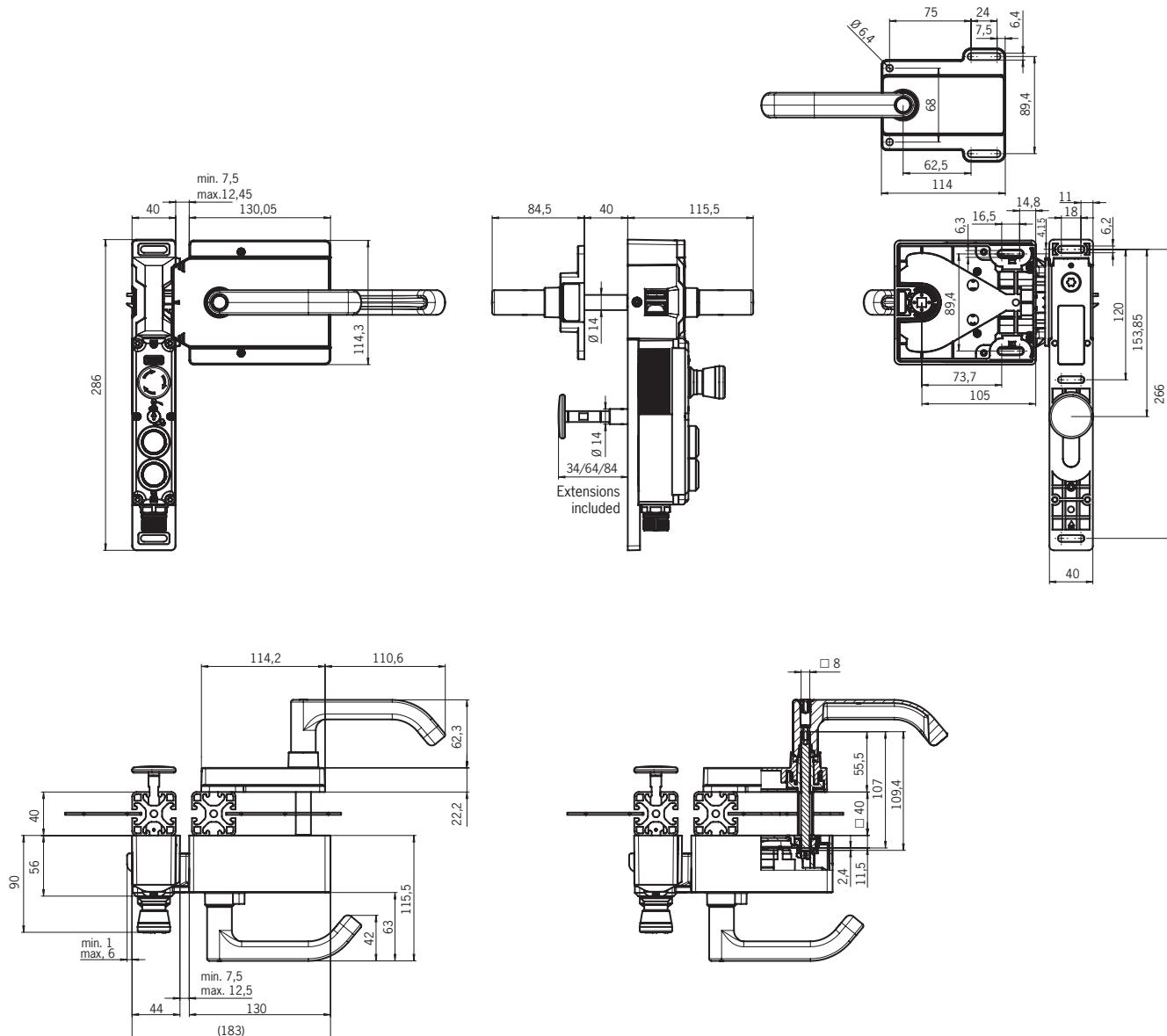
Version	Locking module	Modules in the set					Ordering data, set	
		Controls/indicators			Escape release	Handle module Order no. separate module		
		S1	S2*	S3*				
M23	19 pin						Order no./item	
<b>MGBS-P-L1</b> Closed-circuit current principle								
159086					●	157543 158322 Right	<b>160520</b> MGBS-P-L1HE-AR-U-R-SH-160520	
						157544 158322 Left	<b>160521</b> MGBS-P-L1HE-AR-U-L-SH-160521	
159170		-			●	157543 158322 Right	<b>160879</b> MGBS-P-L1HE-AR-U-R-SH-160879	
						157544 158322 Left	<b>161557</b> MGBS-P-L1HE-AR-U-L-SH-161557	

\* The color of the pushbuttons can be selected using the lens set included.

Modules in the set								Ordering data, set
Locking module								
Version	Controls/indicators			Escape release	Handle module Order no. separate module	Inner door han- dle Order no. separate module	Door stop	Order no./item
M23 19 pin	S1	S2*	S3*					
<b>MGBS-P-L1</b> Closed-circuit current principle								
					157543	–	Right	<b>161563</b> MGBS-P-L1H-AR-U-R-SH-161563
					157544	–	Left	<b>161564</b> MGBS-P-L1H-AR-U-L-SH-161564
		–			157543	–	Right	<b>161561</b> MGBS-P-L1H-AR-U-R-SH-161561
<b>MGBS-P-L2</b> Open-circuit current principle					157544	–	Left	<b>161562</b> MGBS-P-L1H-AR-U-L-SH-161562
					157543	–	Right	<b>160522</b> MGBS-P-L2H-AR-U-R-SH-160522
					157544	–	Left	<b>160523</b> MGBS-P-L2H-AR-U-L-SH-160523

\* The color of the pushbuttons can be selected using the lens set included.

### Dimension drawing





**Accessories**

»Exploit all the advantages –  
with well thought-out  
original accessories from  
**EUCHNER.**«

---

- ▶ Connection material – connect safely and easily; no long search for cables and plug connectors.
- ▶ Fixing material – secure and easy mounting for many installation situations.

## Accessories

**Connection material**
M12
8  
pin
PVC
PUR
**Connecting cables with plug connector**

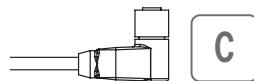
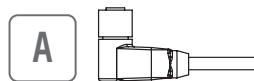
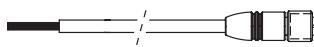
For the connection of:

MGBS
AP

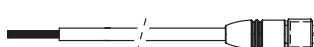
MGBS-P-L-AP-...SA-...



The following applies to the device installation orientation shown:

Cable outlet C  
(left)Cable outlet A  
(right)Connecting cable with female plug, flying lead, 8 x 0.25 mm<sup>2</sup>
M12
8  
pin
PVC

Extension, plug connectors at both ends


M12
8  
pin
PUR
Connecting cable with female plug, flying lead, 8 x 0.25 mm<sup>2</sup>**Order no./item**

Version	Cable outlet	Order no./item
	<span style="border: 1px solid black; padding: 2px;">5m</span>	<b>100177</b> C-M12F08-08X025PV05,0-MA-100177
	<span style="border: 1px solid black; padding: 2px;">10m</span>	<b>100178</b> C-M12F08-08X025PV10,0-MA-100178
	<span style="border: 1px solid black; padding: 2px;">20m</span>	<b>100179</b> C-M12F08-08X025PV20,0-MA-100179
	<span style="border: 1px solid black; padding: 2px;">30m</span>	<b>115116</b> C-M12F08-08X025PV30,0-MA-115116
	<span style="border: 1px solid black; padding: 2px;">40m</span>	<b>156065</b> C-M12F08-08X025PV40,0-MA-156065
	<span style="border: 1px solid black; padding: 2px;">1m</span>	<b>123430</b> C-M12M08-08X025PV01,0- M12F08-123430
	<span style="border: 1px solid black; padding: 2px;">2m</span>	<b>123431</b> C-M12M08-08X025PV02,0- M12F08-123431
	<span style="border: 1px solid black; padding: 2px;">5m</span>	<b>123432</b> C-M12M08-08X025PV05,0- M12F08-123432
	<span style="border: 1px solid black; padding: 2px;">10m</span>	<b>123433</b> C-M12M08-08X025PV10,0- M12F08-123433
	<span style="border: 1px solid black; padding: 2px;">5m</span>	<b>115112</b> C-M12F08-08X025PU05,0-MA-115112
	<span style="border: 1px solid black; padding: 2px;">10m</span>	<b>115113</b> C-M12F08-08X025PU10,0-MA-115113
	<span style="border: 1px solid black; padding: 2px;">20m</span>	<b>115114</b> C-M12F08-08X025PU20,0-MA-115114
	<span style="border: 1px solid black; padding: 2px;">30m</span>	<b>115257</b> C-M12F08-08X025PU30,0-MA-115257

M12 8 pin PVC PUR

Version	Cable outlet	Order no./item
<b>M12</b> <b>8 pin</b> <b>PUR</b>	<b>C</b>	<b>113189</b> C-M12F08-08X025PU10,0-MA-113189
	<b>A</b>	<b>113188</b> C-M12F08-08X025PU10,0-MA-113188
	<b>C</b>	<b>120999</b> C-M12F08-08X025PU20,0-MA-120999
	<b>A</b>	<b>120998</b> C-M12F08-08X025PU20,0-MA-120998

**M23****19  
pin****PUR**

## Connecting cables with straight plug connector

For the connection of:



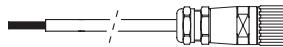
MGBS-P-L-AR-...SH...



Version	Order no./item
<b>1,5m</b>	<b>092761</b> C-M23F19-19XDIFPU01,5-MA-092761
<b>3m</b>	<b>092816</b> C-M23F19-19XDIFPU03,0-MA-092816
<b>6m</b>	<b>077014</b> C-M23F19-19XDIFPU06,0-MA-077014
<b>8m</b>	<b>077015</b> C-M23F19-19XDIFPU08,0-MA-077015
<b>10m</b>	<b>092898</b> C-M23F19-19XDIFPU08,0-MA-077015
<b>15m</b>	<b>077016</b> C-M23F19-19XDIFPU15,0-MA-077016
<b>20m</b>	<b>092726</b> C-M23F19-19XDIFPU20,0-MA-092726
<b>25m</b>	<b>092727</b> C-M23F19-19XDIFPU25,0-MA-092727
<b>30m</b>	<b>095993</b> C-M23F19-19XDIFPU30,0-MA-095993
<b>40m</b>	<b>102490</b> C-M23F19-19XDIFPU40,0-MA-102490



Connecting cable with female connector, flying lead



M23 19 pin PUR

## Connecting cables with angled plug connector

For the connection of:

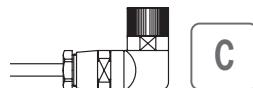
MGBS AR

MGBS-P-L-AR-...-SH...

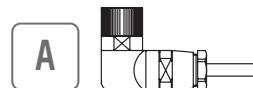


The following applies to the device installation orientation shown:

Cable outlet C  
(left)

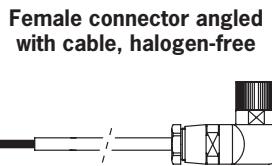


Cable outlet A  
(right)



Version	Order no./item Cable outlet	
	C	A
1,5m	<b>092906</b> C-M23F19-19XDIFPU01,5- MA-092906	<b>092907</b> C-M23F19-19XDIFPU01,5- MA-092907
3m	<b>092908</b> C-M23F19-19XDIFPU03,0- MA-092908	<b>092909</b> C-M23F19-19XDIFPU03,0- MA-092909
6m	<b>077018</b> C-M23F19-19XDIFPU06,0- MA-077018	<b>085194</b> C-M23F19-19XDIFPU06,0- MA-085194
8m	<b>077019</b> C-M23F19-19XDIFPU08,0- MA-077019	<b>085195</b> C-M23F19-19XDIFPU08,0- MA-085195
10m	<b>092901</b> C-M23F19-19XDIFPU10,0- MA-092901	<b>092902</b> C-M23F19-19XDIFPU10,0- MA-092902
15m	<b>077020</b> C-M23F19-19XDIFPU15,0- MA-077020	<b>085196</b> C-M23F19-19XDIFPU15,0- MA-085196
20m	<b>092910</b> C-M23F19-19XDIFPU20,0- MA-092910	<b>092911</b> C-M23F19-19XDIFPU20,0- MA-092911
25m	<b>092912</b> C-M23F19-19XDIFPU25,0- MA-092912	<b>092913</b> C-M23F19-19XDIFPU25,0- MA-092913

M23  
19  
pin  
PUR



Female connector angled  
with cable, halogen-free

**M23**    **19  
pin**

## Female connectors M23

For the connection of:

**MGBS**    **AR**

MGBS-P-L-AR-...SH...



Version	Comment	Order no.
<b>Straight female connector</b> (for self-assembly)	<b>EF</b> Female connector For conductor cross-section $19 \times 0.75 - 1 \text{ mm}^2$	<b>074616</b>
	<b>EF-C1825</b> Female connector For conductor cross-section $16 \times 0.25 - 0.5 \text{ mm}^2 + 3 \times 0.75 - 1 \text{ mm}^2$	<b>077025</b>
<b>Female connector angled</b> (for self-assembly)	<b>WF</b> Female connector angled For conductor cross-section $19 \times 0.75 - 1 \text{ mm}^2$	<b>074617</b>
	<b>WF-C1825</b> Female connector angled For conductor cross-section $16 \times 0.25 - 0.5 \text{ mm}^2 + 3 \times 0.75 - 1 \text{ mm}^2$	<b>077026</b>
<b>Replacement crimp contacts</b>	For female connectors <b>EF</b> and <b>WF</b> Conductor cross-section $19 \times 0.75 - 1 \text{ mm}^2$	<b>094309</b>
	For female connectors <b>EF-C1825</b> and <b>WF-C1825</b> Conductor cross-section $16 \times 0.25 - 0.5 \text{ mm}^2 + 3 \times 0.75 - 1 \text{ mm}^2$	<b>094310</b>

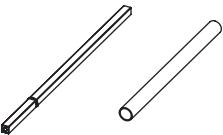
**M23**  
**19  
pin**

## Miscellaneous accessories

Designation	Version	Order no.
<b>Auxiliary key release</b> 	Unique locking, including two keys	<b>084177</b>
	Identical locking, including two keys	<b>086236</b>
	Identical locking, key removable only in <i>unlocked</i> position, including two keys	<b>109212</b>
	Identical locking, key removable only in <i>locked</i> position, including two keys	<b>121917</b>
<b>Replacement key</b> 	Two keys, identical locking	<b>099434</b>
<b>Release</b> 	Resetting	<b>103110</b>
<b>Emergency release</b> 	Latching	<b>099877</b>
<b>Lead seal kit</b>	For emergency release	<b>087256</b>

\* **Notice:** Usable for the MGBS only if positions S1 and S2 are not assigned.

## Miscellaneous accessories

	Version	Order no./item
	Extended actuation axis for inner door handle AE-R-S1, MGB-E...	<b>106761</b> AY-ERS-250-106761
	Replacement handle silver colored for MGBS-H	<b>156944</b> AY-DHL-S1-156944
	Door knob silver colored for MGBS-H	<b>157017</b> AY-DKB-S1-157017
<b>MGBS</b>		
Lens set, six-piece, five colors	2 x WH  1 x BU  1 x YE  1 x GN  1 x RD 	<b>120344</b> AY-SET-LNS-0001-120344
Lens set, six-piece, six colors	1 x WH  1 x BU  1 x YE  1 x GN  1 x RD  1 x BK 	<b>120378</b> AY-SET-LNS-0002-120378
Lens set labeled, six-piece	1 x WH  1 x WH  1 x WH  1 x WH  1 x WH  1 x GN 	<b>120377</b> AY-SET-LNS-SY01-120377
Lens set labeled, fifteen-piece	1 x WH  4 x BK  1 x WH  1 x WH  1 x WH  1 x WH  1 x WH  1 x WH  2 x WH  2 x WH 	<b>125359</b> AY-SET-LNS-SY02-125359
Lens set labeled, three-piece	1 x WH  1 x YE  1 x GN 	<b>126158</b> AY-SET-LNS-SY03-126158



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C-M12F08-08X025PU20,0-MA-115114	115114	30
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092910	C-M23F19-19XDIFPU20,0-MA-092910	33	161565	MGBS-P-L1H-AP-U-R-SA-161565	22
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123431	C-M12M08-08X025PV02,0-M12F08-123431	30			
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A large set of horizontal grey lines for writing notes.



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