MGB2-L1H-MLI-U-CA-L-161929 (Order no. 161929)

Locking set MGB2-L1... (3 pushbuttons, M12 plug connector for enabling switch, closed-circuit current principle, door hinge on left)

▸ Guard locking with guard lock monitoring
▸ 3 illuminated pushbuttons
▸ M12 plug connector for enabling switch
▸ Adjustable door hinge; factory setting: left
▸ Unicode
▸ For connection to any bus module MBM
▸ Remote or direct mounting of bus module MBM

Guard locking type

MGB2-   Guard locking by spring force. Release by applying voltage to the guard locking solenoid.
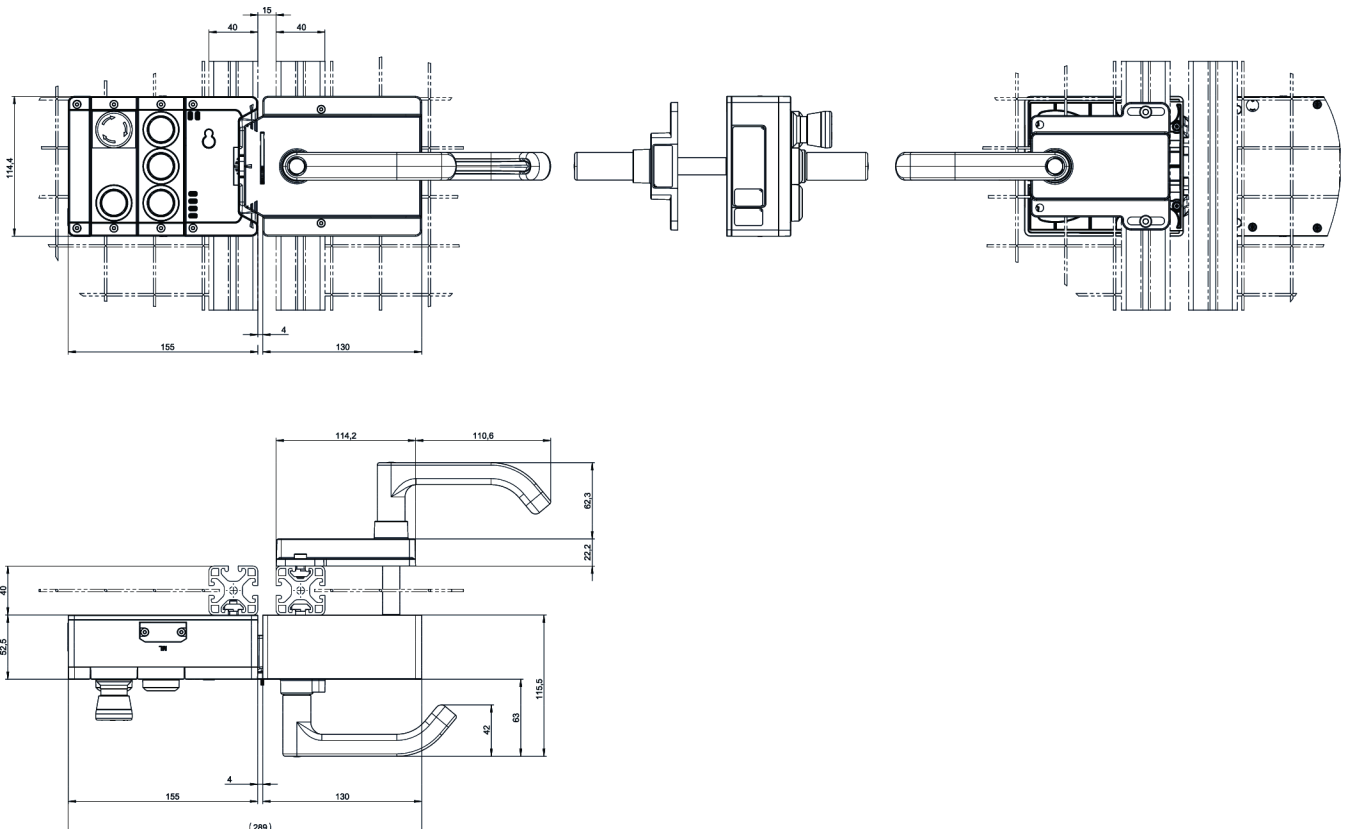L1...   (closed-circuit current principle)

Flexible connection to any bus module MBM

The locking set can be connected to any bus module MBM, making it the ideal choice for supplementing or expanding existing systems.
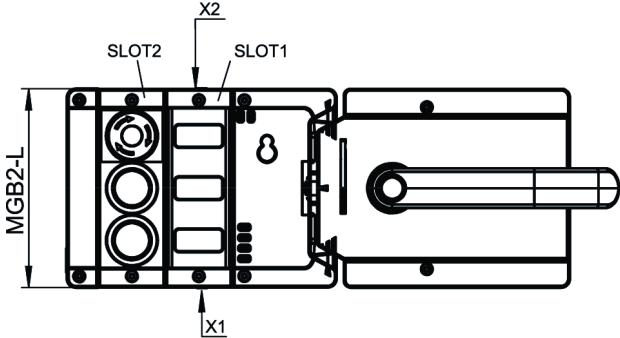
Remote mounting

If space is limited, the bus module can be remotely mounted on the locking set.
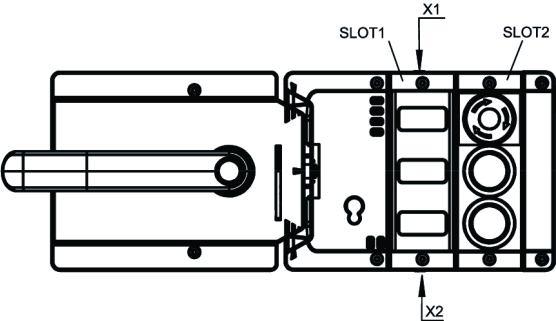
Dimensional drawings

Dimensional drawings

...-R-...

...-L-...

Components

161926

MGB2–L1–MLI–U–YD8A6–CA–L–161926

Locking module MGB2–L1–MLI… (3 pushbuttons, M12 plug connector for enabling switch, closed–circuit current principle, door hinge on left)

▸ Guard locking for the protection of persons or processes
▸ Locking module MGB2 for connection to a bus module MBM
▸ Interlocking with monitored guard locking
▸ Category 4/PL e for the evaluation of all safety functions
▸ 3 illuminated pushbuttons
▸ M12 plug connector for enabling switch
▸ Adjustable door hinge; factory setting: left
▸ Unicode
▸ Compatible with all Modular devices

156394

MGB2–H–BA1A3–L–156394

Handle module MGB2–H… (door handle, with automatic lockout mechanism, door hinge on left)

▸ Intelligent bolt tongue
▸ Fold–out lockout mechanism
▸ Second automatically extending lockout mechanism
▸ Door handle
▸ Adjustable door hinge; factory setting: left

Technical data

Approvals

Locking modules MGB2–L1–MLI–U–YD8A6–CA–L–161926 (Order no. 161926)

Mechanical values and environment

Installation orientation	Door hinge DIN left

Handle modules MGB2–H–BA1A3–L–156394 (Order no. 156394)

Mechanical values and environment

Installation orientation		Door hinge DIN left
Degree of protection		IP65
Ambient temperature		−30 … +55 °C
Material		
	Housing	Fiber glass reinforced plastic, nickel–plated die–cast zinc, stainless steel

Miscellaneous

Product version number	V1.0.0
Additional feature	with automatic lockout mechanism

Downloads

All documentation for this material can be found on our website:

https://www.euchner.de/en-us/a/161929/?#downloads-tab

Ordering data

Ordernumber	161929
Item designation	MGB2–L1H–MLI–U–CA–L–161929
Gross weight	2,615kg
Customs tariff number	85365019000
ECLASS	27–27–24–05 Safety–related transponder switch with guardlocking

Accessories

Connection material

Connecting cable with 2 plug connectors M12, 5–pin, 1.5 m, AIDA standard

	159356 C–M12F05–05X034PU01,5–M12M05–159356	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color gray ‣ Cable length 1.5 m
	159363 C–M12F05–05X034PU01,5–M12M05–159363	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color yellow ‣ Cable length 1.5 m

Connecting cable with 2 plug connectors M12, 5–pin, 10 m

	119947 C–M12F05–05X034PU10,0–M12M05–119947	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ PUR cable ‣ Cable length 10 m

Connecting cable with 2 plug connectors M12, 5–pin, 10 m, AIDA standard

	159360 C–M12F05–05X034PU10,0–M12M05–159360	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color gray ‣ Cable length 10 m
	159920 C–M12F05–05X034PU10,0–M12M05–159920	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color yellow ‣ Cable length 10 m

Connecting cable with 2 plug connectors M12, 5–pin, 15 m, AIDA standard

	159361 C–M12F05–05X034PU15,0–M12M05–159361	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color gray ‣ Cable length 15 m
	159921 C–M12F05–05X034PU15,0–M12M05–159921	‣ M12 female plug to M12 plug connector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color yellow ‣ Cable length 15 m

Connecting cable with 2 plug connectors M12, 5–pin, 1 m, AIDA standard

	159355 C–M12F05–05X034PU01,0–M12M05–159355	‣ M12 female plug to M12 plug cuonnector, 5–pin ‣ Straight female plug and plug connector ‣ Connecting cable according to AIDA standard ‣ PUR cable, sheath color gray ‣ Cable length 1 m

159362

C–M12F05–05X034PU01,0–M12M05–159362

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color yellow
- ▸ Cable length 1 m

Connecting cable with 2 plug connectors M12, 5–pin, 20 m

119971

C–M12F05–05X034PU20,0–M12M05–119971

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ PUR cable
- ▸ Cable length 20 m

Connecting cable with 2 plug connectors M12, 5–pin, 3 m, AIDA standard

159357

C–M12F05–05X034PU03,0–M12M05–159357

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color gray
- ▸ Cable length 3 m

159364

C–M12F05–05X034PU03,0–M12M05–159364

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color yellow
- ▸ Cable length 3 m

Connecting cable with 2 plug connectors M12, 5–pin, 5 m

119932

C–M12F05–05X034PU05,0–M12M05–119932

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ PUR cable
- ▸ Cable length 5 m

Connecting cable with 2 plug connectors M12, 5–pin, 5 m, AIDA standard

159358

C–M12F05–05X034PU05,0–M12M05–159358

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color gray
- ▸ Cable length 5 m

159365

C–M12F05–05X034PU05,0–M12M05–159365

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color yellow
- ▸ Cable length 5 m

Connecting cable with 2 plug connectors M12, 5–pin, 8 m, AIDA standard

159359

C–M12F05–05X034PU08,0–M12M05–159359

- ▸ M12 female plug to M12 plug connector, 5–pin
- ▸ Straight female plug and plug connector
- ▸ Connecting cable according to AIDA standard
- ▸ PUR cable, sheath color gray
- ▸ Cable length 8 m

159919	▸ M12 female plug to M12 plug connector, 5-pin
C-M12F05-05X034PU08,0-M12M05-159919	▸ Straight female plug and plug connector
	▸ Connecting cable according to AIDA standard
	▸ PUR cable, sheath color yellow
	▸ Cable length 8 m

Module connector MLI (M12), 5-pin, socket

157028	▸ Module plug connector MLI (M12), straight
AC-MC-SB-F-A-157028	▸ with thread
	▸ Number of pins: 5-pin, socket

Module connector MLI, 5-pin, socket

157025	▸ Module plug connector MLI, straight
AC-MC-SB-F-B-157025	▸ Directly pluggable (without thread)
	▸ Number of pins: 5-pin, socket

Function expansion

Emergency release for safety switch CTP/CTA/TP/STP/MGB2

| **099877** | |
| AE-M-A1-99877 | |

Escape release MGB-E-A…

100465	▸ Escape release from the danger zone
MGB-E-A-100465	▸ Signal red door handle
	▸ Designed for door profiles up to 40 mm
	▸ Extended actuation axis for thicker doors (available optionally)

163885	▸ Escape release from the danger zone
MGB-E-A4-163885	▸ Signal red door handle
	▸ Designed for door profiles up to 45 mm
	▸ Extended actuation axis for thicker doors (available optionally)

Escape release MGB-E-A7…

117126	▸ Escape release from the danger zone
MGB-E-A7-117126	▸ Signal red door knob
	▸ Designed for door profiles up to 40 mm
	▸ Extended actuation axis for thicker doors (available optionally)

Escape release module MGB-E… pre-assembled on mounting plate

106051	▸ Escape release from the danger zone
MGB-E-A2-106051	▸ Mounted on mounting plate
	▸ Signal red door handle
	▸ Designed for door profiles up to 40 mm
	▸ Extended actuation axis for thicker doors (available optionally)

126320

MGB−E−A8−126320

▸ Escape release from the danger zone
▸ Mounted on mounting plate
▸ Signal red door knob
▸ Designed for door profiles up to 40 mm
▸ Extended actuation axis for thicker doors
  (available optionally)

Lock for auxiliary release for safety switch CTP/CTA/TP/STP

084177

AE−K−A1−DULK1−84177

▸ Lock unique locking
▸ Key removable in "unlocked" and "locked"
  positions

086236

AE−K−A1−IULK1−86236

▸ Identical locking
▸ Key removable in "unlocked" and "locked"
  positions

109212

AE−K−A1−IUK2−109212

▸ Identical locking
▸ Key can be removed only in "unlocked" position

121917

AE−K−A1−ILK1−121917

▸ Identical locking
▸ Key removable in "locked" position

Release with automatic reset for safety switch CTP/CTA/TP/STP/MGB2/MGBS

103110

AE−R−A1−103110

Miscellaneous

Cover for locking module MGB2−L.−MLI with auxiliary release

156734

MGB2−A−C−L−MLI−156734

▸ Cover for locking module MGB2−L.−MLI
▸ For modules with auxiliary release on the front
▸ incl. screw set

Lens set labeled

120377

AY−SET−LNS−SY01−120377

126158

AY−SET−LNS−SY03−126158

125359

AY−SET−LNS−SY02−125359

158307

AY−SET−LNS−SY04−158307

160049

AY‒SET‒LNS‒SY05‒160049

Lens set, 5 colors

120344

AY‒SET‒LNS‒0001‒120344

163284

AY‒SET‒LNS‒0003‒163284

Lens set, 6 colors

120378

AY‒SET‒LNS‒0002‒120378

Set of seal labels

155853

AY‒SAR‒V10‒155853

▸ Seal labels for MGB2 auxiliary release
▸ Color: black
▸ Packaging unit 10 pcs.

Mounting accessories

Mounting plate for evaluation modules MGB2‒L/I

161315

AM‒P‒L‒161315

▸ For evaluation modules MGB2‒L/I
▸ Easy and quick mounting (only two screws required)
▸ Quick module replacement
▸ Steel, powder coated
▸ Suitable for doors hinged on the right and left
▸ Incl. screw set

Mounting plate for handle module MGB2‒H…

156683

AM‒P‒H‒156683

▸ For handle module MGB2‒H
▸ Easy and quick mounting
▸ Quick module replacement
▸ Steel, powder coated
▸ Suitable for doors hinged on the right and left
▸ incl. screw set

Mounting plate for modules MGB2‒L…, MCM… and MBM…

156680

AM‒P‒LCB‒156680

▸ For modules MGB2‒L, MBM and MCM
▸ Easy and quick mounting
▸ Quick module replacement
▸ Steel, powder coated
▸ Suitable for doors hinged on the right and left
▸ incl. screw set

Mounting plate for modules MGB2−L/I… and MBM…

156682

AM−P−LB−156682

▸ For modules MGB2−L and MBM
▸ Easy and quick mounting
▸ Quick module replacement
▸ Steel, powder coated
▸ Suitable for doors hinged on the right and left
▸ incl. screw set

Mounting plates for MGB2−L/I and MCM−MLI modules

169222

AM−P−LC−169222

▸ For modules MGB2−L/I and MCM−MLI
▸ Easy and quick mounting
▸ Quick module replacement
▸ Steel, powder coated
▸ Suitable for doors hinged on the right and left
▸ incl. screw set

ZSA

ZSA, 3−stage, with cable and plug connector M12

170950

ZSA2B4G10CC2630

▸ Housing G1
▸ 3−stage function
▸ Straight connecting cable with plug connector, 10 m

170951

ZSA2B4G15CC2630

▸ Housing G1
▸ 3−stage function
▸ Straight connecting cable with plug connector, 15 m

170949

ZSA2B4G02CC2630

▸ Housing G1
▸ 3−stage function
▸ Straight connecting cable with plug connector, 2 m

165899

ZSA2B4G15CC2322

▸ Housing G1
▸ 3−stage function
▸ Straight connecting cable with plug connector, 15 m

110560

ZSA2B4G10CC2322

▸ Housing G1
▸ 3−stage function
▸ Straight connecting cable with plug connector, 10 m

ZSM

ZSM

168902

ZSM2300–168902

▸ 3–stage function
▸ Straight connecting cable, 10 m