

## ITEM 157854 MCM-MLI-Y00000000-JJ-157854

Description	Technical data	Accessories	Downloads
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### Features

- › Function expansion for bus module MBM and locking module MGB2-L.-MLI
- › Four slots for mounting submodules
- › Category 4/PL e for the evaluation of all safety functions
- › Open version (without submodules)
- › Submodule connection type: N/P
- › Compatible with all Modular devices

### Function

The MCM Modular can be connected directly or remotely to the bus module and in this way can be operated as a control terminal. It can also be used as an expansion for the control features on a locking module. The MCM Modular offers four slots for mounting submodules.

### Expandable via connection on the top

Either a module plug connector or a plug for the direct connection of a signal light with up to four lamps can be used on the top of the MCM.

## Approvals



## Mechanical values and environment

Housing material	Fiber glass reinforced plastic, die-cast zinc, nickel plated
Weight	
Net	0,8 kg
Ambient temperature	
At $U_B = 24V$ DC	-25 ... 55 °C
Degree of protection	IP65 [1]
Resilience to vibration	In acc. with EN 60947-5-3
Mechanical life	$1 \times 10^6$
Switching frequency	0,25 Hz

## Electrical connection ratings

Current consumption	max.175 mA
Rated insulation voltage $U_i$	75 V
Rated impulse withstand voltage $U_{imp}$	1,5 kV
EMC protection requirements	EMC directive 2014/30/EU
Degree of contamination (external, according to EN 60947-1)	3
Safety class	III
	<b>Power supply MLI</b>
Operating voltage DC	
MLI	24 V DC -25% ... 15% [2]
Auxiliary voltage DC	
MLI	24 V DC -25% ... 15%

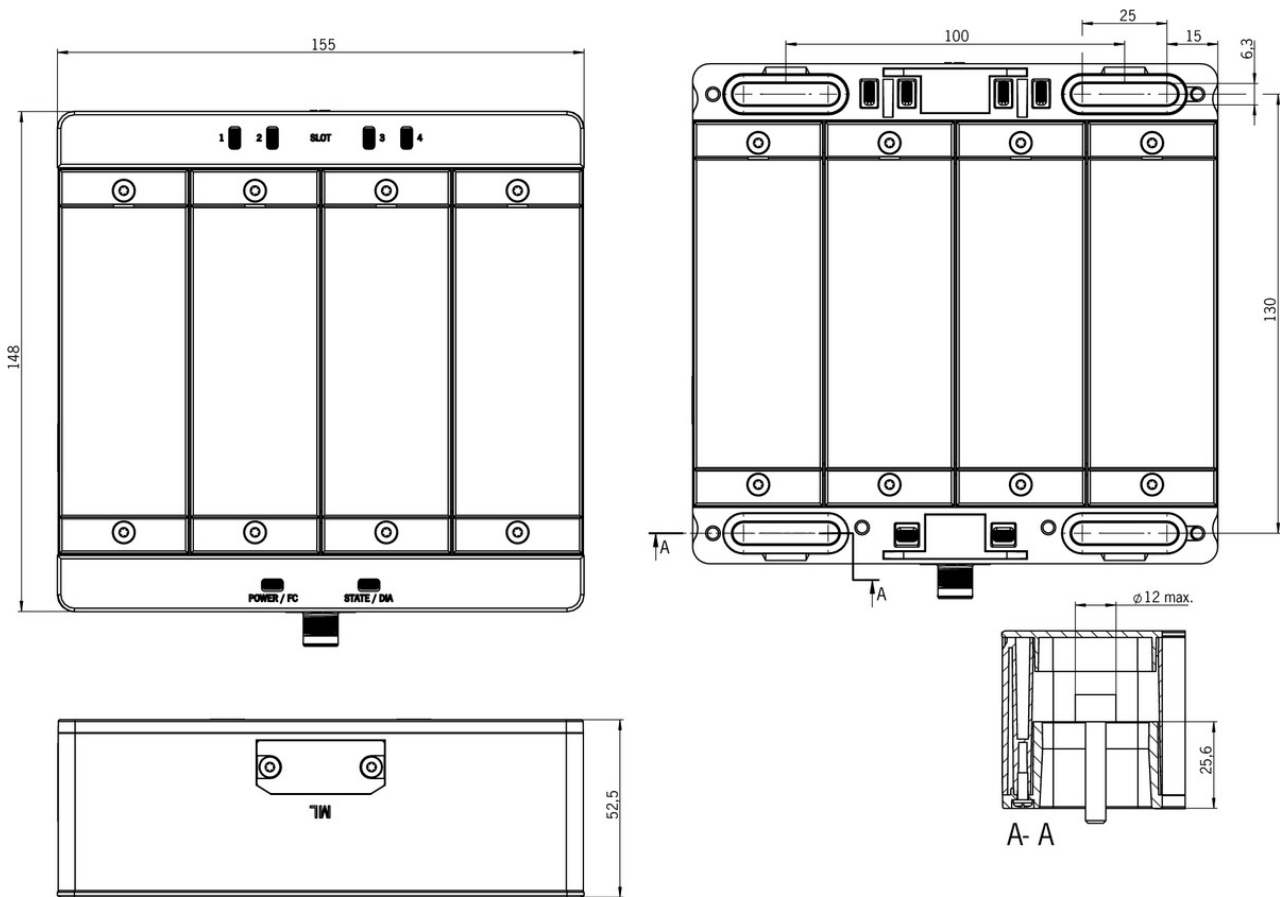
## Reliability values acc. to EN ISO 13849-1

Safety Integrity Level	SIL 3 (EN 62061:2005)
Mission time	20

[1] This is the case only in the closed state with correctly mounted connecting cables and submodules.

[2] (Reverse polarity protected, regulated, residual ripple <5%, PELV)

## Dimension drawing



## Connection material

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



**157024** AC-MC-SB-M-A-157024

### Features

- Module plug connector MLI (M12), straight
- Number of pins: 5-pin , plug

- Module connector MLI, 5-pin, socket



**157025** AC-MC-SB-F-B-157025

### Features

- Module plug connector MLI, straight
- Directly pluggable (without thread)
- Number of pins: 5-pin, socket

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



**157028** AC-MC-SB-F-A-157028

### Features

- Module plug connector MLI (M12), straight
- With thread
- Number of pins: 5-pin, socket

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▼ Cover for unused MLI connections



**156718** AC-MC-00-0-B-156718

▼ Features

- › Cover for unused connections
- › incl. fixing screws
- › incl. seal

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▼ Plug connector M12 for signal light MCM, 8-pin, socket

**157029** AC-MC-SA-F-A-157029

▼ Features

- › For expansion module MCM
- › Plug connector M12 for connection of a signal light
- › Number of pins: 8-pin, socket

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▼ Connection cable with 2 plug connectors M12, 5-pin, 20m



**119971** C-M12F05-05X034PU20,0-M12M05-119971

▼ Features

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

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▼ Connection cable with 2 plug connectors M12, 5-pin, 10m



**119947** C-M12F05-05X034PU10,0-M12M05-119947

▼ Features

- › M12 female plug to M12 plug connector, 5-pin
- › Straight female plug and plug connector
- › PUR cable
- › Cable length 10 m

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▼ Connection cable with 2 plug connectors M12, 5-pin, 5m



**119932** C-M12F05-05X034PU05,0-M12M05-119932

▼ Features

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

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## Submodules

▼ Submodule MSM-1-N-AA-000-A4 (dummy cover)

**126372** MSM-1-N-AA-000-A4-126372

▼ Features



- › Function expansion for modules MGB2 and MCM
  - › Connection type: N
  - › Blanking cover
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▼ Submodule MSM-1-N-AA-QQQ-B1 (blanking cover with three slide-in labels)



**137610** MSM-1-N-AA-QQQ-B1-137610

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: N
  - › Three cut-outs for slide-in labels
  - › Incl. transparent label holder (AY-C-A1-156732)
  - › Incl. slide-in labels
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▼ Submodule MSM-1-P-CA-0L0-A3 (white cover for indicators, middle)



**126062** MSM-1-P-CA-0L0-A3-126062

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › Cover for indicators, white, middle
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▼ Submodule MSM-1-P-CA-L00-C1 (white cover for indicators, top/bottom)



**137748** MSM-1-P-CA-L00-C1-137748

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › White cover for indicators, top/bottom
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▼ Submodule MSM-1-P-CA-P00-B9 (illuminated pushbutton, top/bottom)



**137746** MSM-1-P-CA-P00-B9-137746

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated white pushbutton, top/bottom
  - › incl. lens set
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▼ Submodule MSM-1-P-CA-0P0-B8 (illuminated pushbutton, middle)



**137744** MSM-1-P-CA-0P0-B8-137744

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated pushbutton, middle
  - › incl. lens set
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▼ Submodule MSM-1-P-DA-M00-A6 (M12 plug connector for enabling switch)



#### **137596** MSM-1-P-DA-M00-A6-137596

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One plug connector M12 for connecting an enabling switch
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#### ▼ Submodule MSM-1-P-CS-B0P-A2 (illuminated emergency stop with protection, illuminated pushbutton)



#### **137020** MSM-1-P-CS-B0P-A2-137020

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated emergency stop according to ISO 13850
  - › One illuminated pushbutton
  - › incl. lens set
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#### ▼ Submodule MSM-1-P-CA-B0P-B5 (illuminated emergency stop, illuminated pushbutton)



#### **137738** MSM-1-P-CA-B0P-B5-137738

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated emergency stop according to ISO 13850
  - › One illuminated pushbutton
  - › incl. lens set
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#### ▼ Submodule MSM-1-P-CA-P0P-B6 (two illuminated pushbuttons, top/bottom)



#### **137740** MSM-1-P-CA-P0P-B6-137740

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › Two illuminated pushbuttons
  - › incl. lens set
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#### ▼ Submodule MSM-1-P-CA-PP0-B7 (two illuminated pushbuttons, middle, top/bottom)



#### **137742** MSM-1-P-CA-PP0-B7-137742

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › Two illuminated pushbuttons, middle, top/bottom
  - › incl. lens set
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#### ▼ Submodule MSM-1-P-CA-PPP-A9 (three illuminated pushbuttons)



#### **127040** MSM-1-P-CA-PPP-A9-127040

##### ▼ Features

- › Function expansion for modules MGB2 and MCM
- › Connection type: P

- › Three illuminated pushbuttons
  - › incl. lens set
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- ▼ Submodule MSM-1-P-CS-BPP-A5 (illuminated emergency stop with protection, two illuminated pushbuttons)



**126381** MSM-1-P-CS-BPP-A5-126381

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated emergency stop according to ISO 13850
  - › Two illuminated pushbuttons
  - › incl. lens set
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- ▼ Submodule MSM-1-P-CA-BPP-A1 (illuminated emergency stop, two illuminated pushbuttons)



**136687** MSM-1-P-CA-BPP-A1-136687

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One illuminated emergency stop according to ISO 13850
  - › Two illuminated pushbuttons
  - › incl. lens set
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- ▼ Submodule MSM-1-P-CA-KPP-C3 (one selector switch 90°, form V, illuminated, two illuminated pushbuttons)



**137752** MSM-1-P-CA-KPP-C3-137752

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › One selector switch 1 x 90°, form V, illuminated
  - › Two illuminated pushbuttons
  - › incl. lens set
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- ▼ Submodule MSM-1-P-CA-RRR-C5 (three acknowledgment buttons, illuminated)



**157218** MSM-1-P-CA-RRR-C5-157218

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › Three illuminated acknowledgment buttons
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- ▼ Submodule MSM-1-P-CA-TTT-C7 (three selector switches 1 x 90°, form V, illuminated)












**158906** MSM-1-P-CA-TTT-C7-158906

▼ Features

- › Function expansion for modules MGB2 and MCM
  - › Connection type: P
  - › Three selector switches 1 x 90°, form V, illuminated
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Catalogs

 Multifunctional Gate Box MGB2 Modular
 Multifunctional Gate Box MGB2 Modular
 Multifunctional Gate Box MGB2 Modular
 Multifunctional Gate Box MGB2 Modular

	Doc. no.	Version	Language	Download
Multifunctional Gate Box MGB2 Modular	159037	02-09/18		 14.3 MB
Multifunctional Gate Box MGB2 Modular	159050	02-09/18		 14.4 MB
Multifunctional Gate Box MGB2 Modular	159051	02-09/18		 14.4 MB
Multifunctional Gate Box MGB2 Modular	159039	02-09/18		 14.4 MB