

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	1×10^6
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
	Power supply MLI
Operating voltage DC	MLI 24 V DC -25% ... 15% [2]
Auxiliary voltage DC	MLI 24 V DC -25% ... 15%

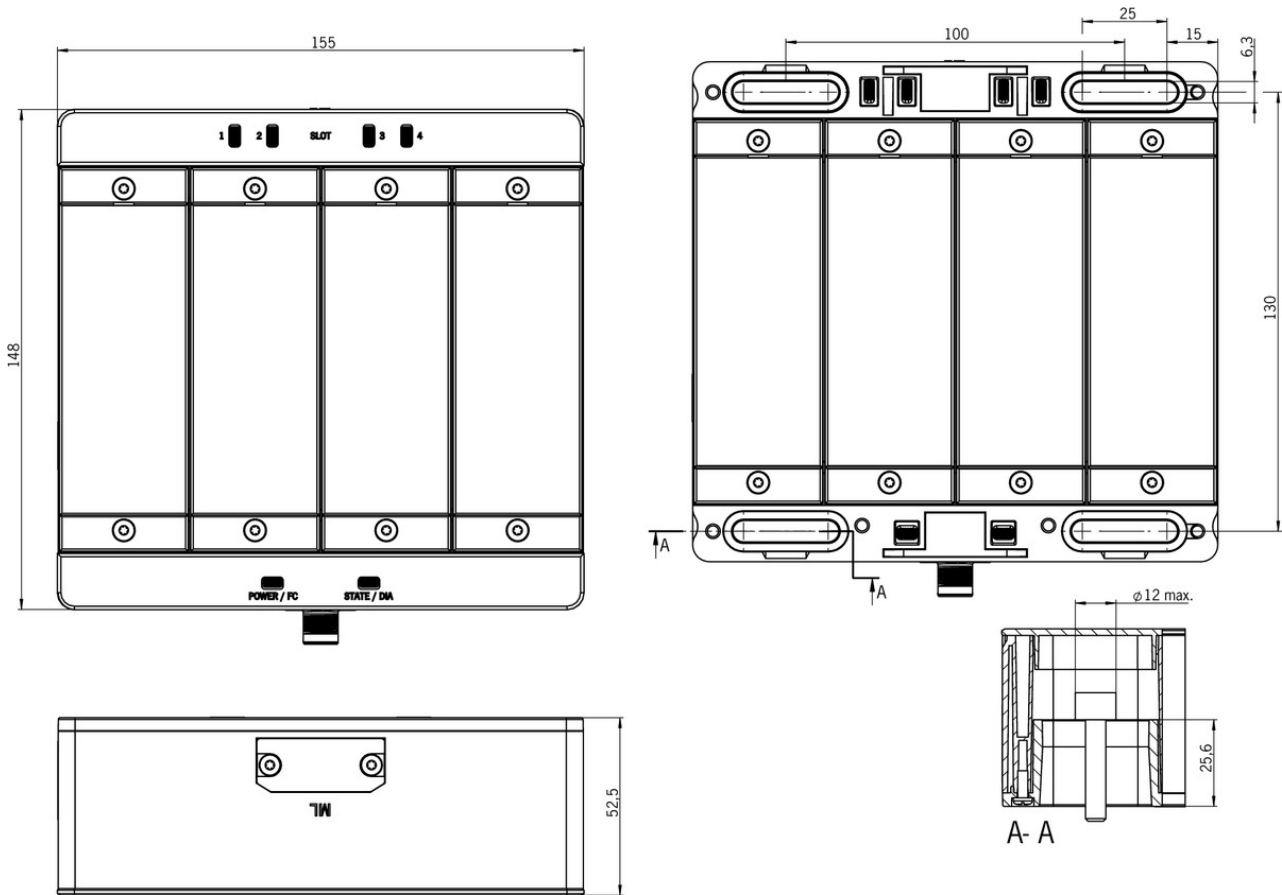
Reliability values acc. to EN ISO 13849-1

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

▼ Cover for unused MLI connections



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

▼ Features

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

▼ 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

▼ 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

▼ 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

▼ 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

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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

▼ 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
-

- ▼ 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
-

- ▼ 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