

**List of variants
of the
Access-Control System
MGB2-Series**

Manufacturer:
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Testing Laboratory for Safety Components:
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Certification Body
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Revision history

Revision	Status	Date	Author	Modification / Description
1.0	Replaced	31.03.2021	T. Kreten	Initial
1.1	Replaced	19.01.2022	T. Kreten	Output Family added
1.2	Replaced	20.07.2022	T. Kreten	S4 for EtherCAT
1.3	Replaced	13.01.2023	T. Kreten	S1 added, Update in HW/SW Versions
1.4	Replaced	23.01.2023	T. Kreten	Update in HW/SW Versions
1.5	Replaced	27.04.2023	T. Kreten	Update in bus module (MBM PN) and Locking Module, ZHM (LM)
1.6	Replaced	23.11.2023	T. Kreten	Addition of CKS2 MSM
1.7	Replaced	18.11.2024	T. Kreten	Update in HW/SW Versions
1.8	replaced	16.06.2025	T. Kreten	Update in HW/SW Versions
1.9	active	16.02.2026	Thomas Kreten	Update in HW/SW Versions Update of EN ISO 13849-1 and EN ISO 14119

Nomenclature of MGB2 - Series

Bus module

MBM-aa-bb-MLI-3B-xxxxxx

with:

aa	Output Family	
	PN	ProfiNet / ProfiSafe
	EC	EtherCAT (only for S4 and S7 connector)
bb	Connector	
	S1	2x M12 (D-coded) & 2x M12 (L-coded 4-pin)
	S2	2x M12 (D-coded) & 2x M12 (L-coded 5-pin)
	S3	2x PushPull RJ45 & 2x PushPull Power
	S4	2x M12 (D-coded) & 2x 7/8" (5-pin)
	S5	2x M12 (D coded) & 2x 7/8" (4-polig)
	S6	2x M12 (D-coded) & 2x M12 (A-codiert)
	S7	2x M8 (P coded)
xxxxxx	ID	
	6 Digits	

Locking module modular

MGB2-aaa-MLI-b-Yccdd-ef-g-xxxxxx

with:

aaa	Locking Mode	
	I	without guard locking
	L1	guard locking by spring force
	L2	guard locking by solenoid force
b	Coding	
	U	unicode
	M	multicode
cc	Identification for submodule in slot 1	
dd	Identification for submodule in slot 2	
e	Mechanical version	
	A	Enclosed lens-set, with auxiliary release
	B	With auxiliary release
	C	Mounted lenses, with auxiliary release
	D	Enclosed lens-set, enclosed labels, with auxiliary release
	E	Enclosed lens-set, with auxiliary release, with mounting plate
	F	With auxiliary release, with mounting plate
	G	Mounted lenses, with auxiliary release, with mounting plate
	H	Enclosed lens-set, enclosed labels, with auxiliary release, with mounting plate
	I	Enclosed lens-set
	J	-
	K	Mounted lenses
	L	Enclosed lens-set, enclosed labels
	M	Mounted lenses, enclosed labels, with auxiliary release
	N	Mounted lenses, mounted labels, with auxiliary release
	O	Enclosed labels, with auxiliary release
	P	Mounted lenses, enclosed labels
	Q	Mounted lenses, mounted labels, with auxiliary release, emergency unlocking

	R	Mounted lenses, enclosed labels, with auxiliary release	
	S	-	
	T	Mounted lenses, enclosed labels, with auxiliary release, with mounting plate, emergency unlocking	
f	Terminating plug (viewed from the respective door hinge)		
		TOP	BOTTOM
	A	COVER M12 CPL.	ADAPTER M05 M12 MLI
	B	COVER M12 CPL.	COVER M12 CPL.
	C	ADAPTER F05 M12 MLI	ADAPTER M05 M12 MLI
	D	ADAPTER F05 MLI	ADAPTER M05 M12 MLI
	E	ADAPTER F08 M12 SL	COVER M12 CPL.
	F	COVER M12 CPL.	ADAPTER F08 M12 SL
	G	ADAPTER F05 M12 ZS	COVER M12 CPL.
	I	COVER M12 CPL.	ADAPTER F05 M12 ZS
	J	empty	empty
	K	empty	ADAPTER M05 M12 MLI
g:	Door hinge		
	R	Hinge on the right	
	L	Hinge on the left	
xxxxxx	ID		
	6 Digits		

Handle module

MGB2-H-aA1-bb-c-xxxxxx

with:

a	Sensor configuration	
	A	2 Transponder
	B	1 Transponder
bb	Mechanical Options	
	A1	basic model
	A2	with mounting plate
	A3	with automatic lockout mechanism
	A4	with door knob
	A5	with door knob and automatic lockout mechanism
	A6	with mounting plate and automatic lockout mechanism
	A7	closable with escape release
	A8	with automatic lockout mechanism and closable with escape release
	A9	with three-point locking system
c	Door hinge	
	R	Hinged on the right
	L	Hinged on the left
xxxxxx	ID	
	6 Digits	

Extension module:

MCM-MLI-Yaabbccdd-ef-hhhhhh (4-Slot)

MCM-MLI-Yaabb-ef-hhhhhh (2-Slot)

with:

		Submodule	
aa		Identification for submodule in slot 1	
bb		Identification for submodule in slot 2	
cc		Identification for submodule in slot 3	
dd		Identification for submodule in slot 4	
e	Mechanical Options		
	I	Enclosed lens-set	
	J	-	
	K	mounted lenses	
	L	Enclosed lens-set, enclosed labels	
f	Terminating plug		
		TOP	BOTTOM
	A	COVER M12 CPL.	ADAPTER M05 M12 MLI
	B	COVER M12 CPL.	COVER M12 CPL.
	C	ADAPTER F05 M12 MLI	ADAPTER M05 M12 MLI
	D	ADAPTER F05 MLI	ADAPTER M05 M12 MLI
	E	ADAPTER F08 M12 SL	COVER M12 CPL
	F	COVER M12 CPL.	ADAPTER F08 M12 SL
	G	ADAPTER F05 M12 ZS	COVER M12 CPL
	I	COVER M12 CPL.	ADAPTER F05 M12 ZS
	J	empty	empty
	K	empty	ADAPTER M05 M12 MLI
hhhhh:	ID		
	6 Digits		

Hard and Software Versions certified

Device Name	Name Mat. Nr. (Example) Version End device / Product	Date	Remarks
bus module (MBM PN)	MBM PN (156310) V1.5.11 [Push Pull] (161849) V1.5.11 [M12] (156312) V1.5.11 [7/8 "]	09.01.2021 06.03.2018	Associated product IDs 161849 and 156312 Associated product IDs 156310
	MBM PN (156310) V1.5.11 aa [Push Pull] (161849) V1.5.11 aa [M12] (156312) V1.5.11 aa [7/8 "]	24.05.2022	Associated product IDs 161849 and 156312 Associated product IDs 156310
	MBM-PN (156310) V1.5.11 ab (161849) V1.5.11 ab [M12] (156312) V1.5.11 ab [7/8 "]	27.10.2023	Identical to version 1.5.11 aa but with checked processors
bus module (MBM PN)	(169764) V2.0.4 ah (169765) V2.0.4 ah (7/8") (169766) V2.0.4 ah (M12 5polig) (169489) V2.0.4 ah (M12 4polig)	20.04.2023 25.04.2023 08.05.2023 08.05.2023	
	(169764) V2.0.4 aj (169765) V2.0.4 aj (7/8") (169766) V2.0.4 aj (M12 5polig) (169489) V2.0.4 aj (M12 4polig)	27.10.2023	Identical to version 2.0.4 ah but with checked processors. In consumption.
	(169766) V2.0.4 ai (M12 5polig) (169489) V2.0.4 ai (M12 4polig)	19.04.2024	Changeover as soon as all V2.0.4 aj are consumed
	(169766) V2.0.4 ak (M12 5polig) (169489) V2.0.4 ak (M12 4polig)	20.04.2024	The changeover will follow directly after the changeover to V2.0.4 ai. Identical to version 2.0.4 ai but with checked processors.
	(169764) V2.1.0 al (169765) V2.1.0 al (7/8") (169766) V2.1.0 al (M12 5polig) (169489) V2.1.0 al (M12 5polig)	08.07.2024	08.07.2024: Device 169766 and 169489 change to V2.1.0.0. Device 169764 and 169765 change after consumption from LP-Prg. 171640.
	(169764) V2.2.0.8 (169765) V2.2.0.8 (7/8") (169766) V2.2.0.8 (M12 5polig) (169489) V2.2.0.8 (M12 5polig)	24.06.2025	Changeover as soon as all V2.1.0 al are consumed
bus module (MBM EC-S7)	MBM EC (163293) V1.0.4 ae	05.06.2024	
	MBM EC (163293) V1.0.4 af	30.08.2024	
bus module (MBM EC-S4)	MBM EC (163291) V1.0.4 ae	05.06.2024	
bus module (MBM EC-S1)	MBM EC (173401) V1.0.4 af	26.11.2024	
bus module (MBM EC-S2)	MBM EC (173313) V1.0.4 af	26.11.2024	
	MGB2 ZHM (136776) V 1.5.3 ag	02.01.2024	

Locking Module, ZHM (LM)	MGB2 ZHM (136776) V 1.5.4 ah	06.02.2024	
	MGB2 ZHM (136776) V 1.5.4 ai	15.01.2025	
	MGB2 ZHM (136776) V 1.6.0 aj	30.07.2025	
	MGB2 ZHM (136776) V 1.6.1 ak	27.01.2026	
Handle module	H (156394) V1.0.1	04.12.2020	
Extension module (MCM)	MCM (4 slot) (157854) V 1.2.2	26.10.2020	
	MCM (4 slot) (157854) V 1.2.2 aa	20.05.2022	
	MCM (4 slot) (157854) V 1.2.2 ac	27.10.2023	Identical to version 1.2.2 aa but with checked processors. In consumption.
	MCM (4 slot) (157854) V 1.2.2 ab	25.05.2024	Only activated when required by a special customer. Changeover as soon as all V1.2.2 ac are consumed.
	MCM (4 slot) (157854) V 1.2.2 ae	26.05.2024	The changeover will follow directly after the changeover to V1.2.2 ab. Identical to version 1.2.2 ab but with checked processors.
	MCM (2 slot) 164241 V 1.2.4	24.02.2023	
	MCM (2 slot) 164241 V 1.2.4 ad	27.10.2023	Identical to version 1.2.4 but with checked processors.
	MCM (2 slot) 164243 V 1.2.4	24.02.2023	
	MCM (2 slot) 164241 V 1.2.4 ad	27.10.2023	Identical to version 1.2.4 but with checked processors.
CKS2 MSM	CKS2 MSM 168595 V1.0.1 af	27.08.2024	
	CKS2 MSM 168594 V1.0.1 af	21.06.2024	
	CKS2 MSM 172950 V1.0.1 af	21.06.2024	
	CKS2 MSM 174324 V1.0.1 af	09.09.2024	
	CKS2 MSM 174327 V1.0.1 af	02.07.2024	
	CKS2 MSM 174773 V1.0.1 af	28.10.2024	
	CKS2 MSM 168595 V1.0.1 ag	19.03.2025	
	CKS2 MSM 168594 V1.0.1 ag	19.03.2025	
	CKS2 MSM 172950 V1.0.1 ag	19.03.2025	
	CKS2 MSM 174324 V1.0.1 ag	19.03.2025	
	CKS2 MSM 174327 V1.0.1 ag	19.03.2025	



Rail

	CKS2 MSM 174773 V1.0.1 ag	19.03.2025	
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Table: Version Overview MGB2 modular System

	Release by Testing Laboratory:	Release by Certification Body:
Date:		
Signature:		