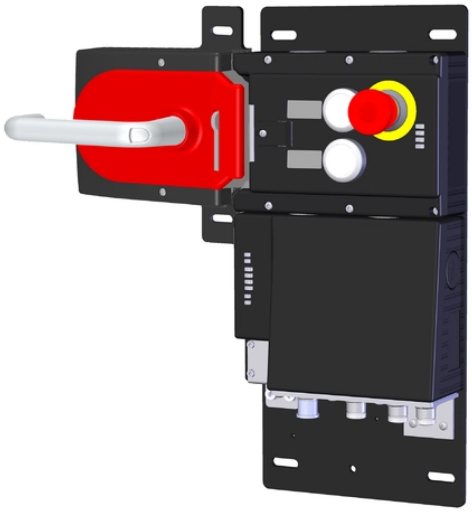
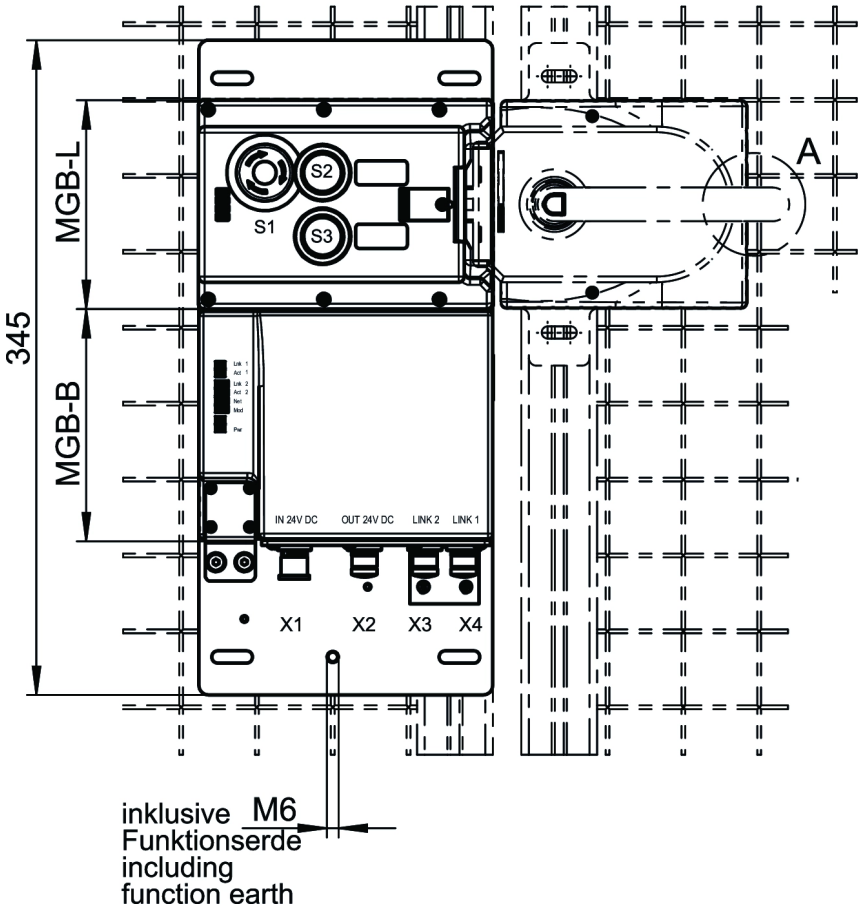
MGB-L0HB-EIA-L-158250 (Order no. 158250)

Interlocking set MGB-L0...-EI with 2 pushbuttons, emergency stop

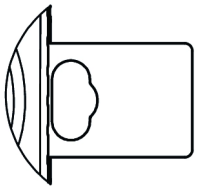
- Interlocking (without guard locking)
- Emergency stop according to ISO 13850, illuminated
- 2 illuminated pushbuttons
- including adhesive labels
- Connection via M12 plug
- Pre-assembled on mounting plates
- Unicode



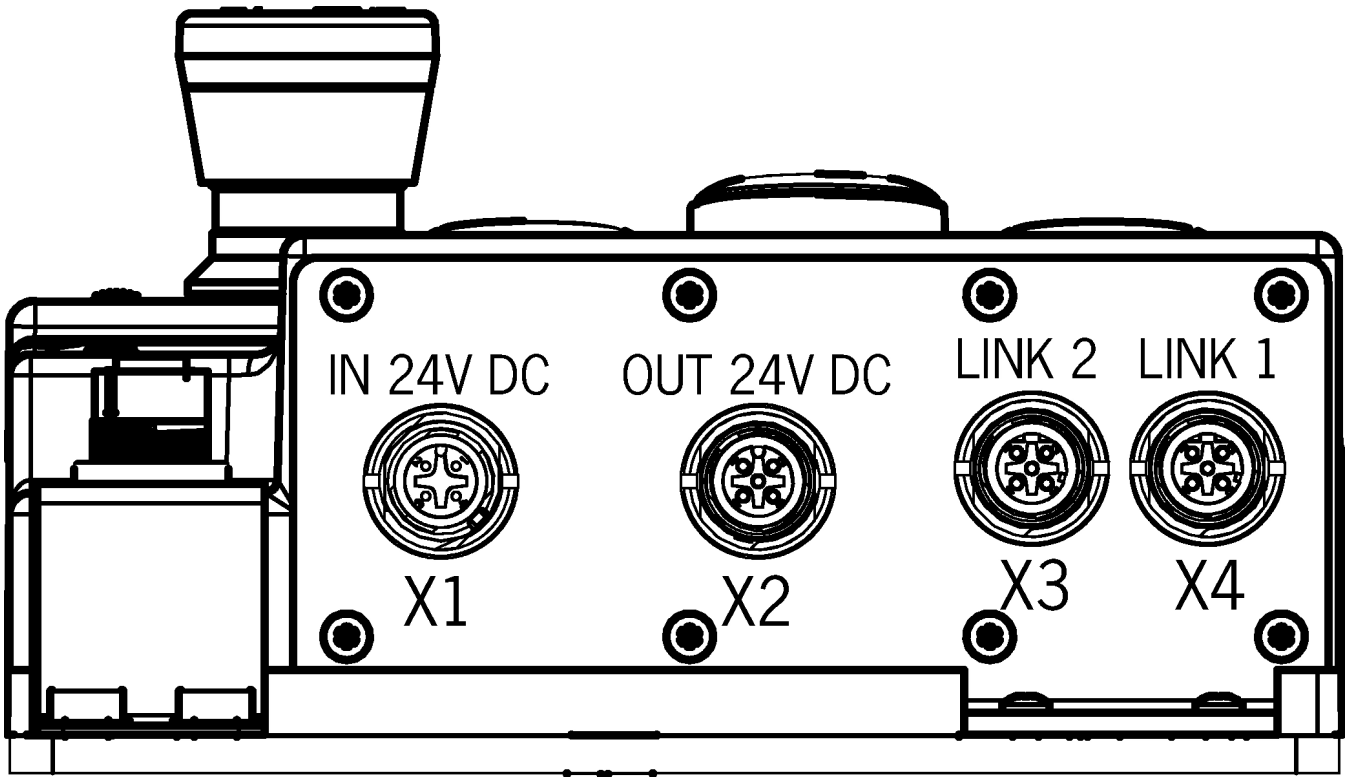
Dimensional drawings



Detail A
Sperrverriegelung im ausgefahrenen Zustand
Automatic lockoutbar in "open" position.



Connection examples



Components

	**111839** MGB-H-AA1A6-L-111839 Handle module MGB-H... with automatically extending lockout mechanism	Intelligent bolt tongue Fold-out lockout mechanism Second automatically extending lockout mechanism Door handle Mounting plate
	**136557** MGB-L0B-EIA-L-136557 Interlocking module MGB-L0...-EI with 2 pushbuttons, emergency stop	Interlocking (without guard locking) Emergency stop according to ISO 13850, illuminated 2 illuminated pushbuttons including adhesive labels Connection via M12 plug Pre-assembled on mounting plates Unicode

Technical data

Approvals

Handle modules MGB-H-AA1A6-L-111839 (Order no. 111839)



Mechanical values and environment

Installation orientation	Door hinge DIN left
Storage temperature	-25 ... 70 °C
Degree of protection	IP65
Ambient temperature	-20 ... 55 °C
Material	
Housing	Fiber glass reinforced plastic, nickel-plated die-cast zinc, stainless steel

Miscellaneous

Additional feature	with mounting plate and automatic lockout mechanism



Locking modules MGB-L0B-EIA-L-136557 (Order no. 136557)

Workspace

Secured switch-off distance s_{ar}	
Only for sliding door	20 mm (Applies only to use on sliding doors with deactivated guard lock monitoring)

Operating and display elements

Occupancy diagram

B0

L1

Item	Color	Extras	Slide-in label	Note slide-in label	Version	Switching element	Number	Designation1	LED
1		with adhesive ring			Emergency stop illuminated	2 PD			
2					Illuminated pushbutton	1NO			
3					Illuminated pushbutton	1NO			

Electrical connection values

Connecting cable	
Ethernet	Ethernet/IP cable, at least cat. 5e
Rated insulation voltage U_i	75 V
Rated impulse voltage U_{imp}	0.5 kV
EMC protection requirements	In accordance with EN 61000-4 and EN 61326-3-1
maximum feed-in current in the connection block	
X1, X2	max. 4000 mA
Safety class	III
Current consumption	max. 500 mA
Transponder coding	Unicode
Degree of contamination (external, according to EN 60947-1)	3
	Power supply X1
Fuse	
external	min. 1 A slow blow
Operating voltage DC	
L1	

	24 V DC -15% ... +10% ((reverse polarity protected, regulated, residual ripple<5%, PELV))
Auxiliary voltage DC	
L2	24 V DC -15% ... +10% (The auxiliary voltage is not required for the MGB system)
	Power supply X2
Operating voltage DC	
L1	24 V DC -15% ... +10% (For looping through for connected devices)
Auxiliary voltage DC	
L2	24 V DC -15% ... +10% (For looping through for connected devices)

Mechanical values and environment

Connection type	
	M12 Power, A-coded (X2)
Ethernet/IP cable, at least cat. 5e	M12, D-coded, screened (X3)
Ethernet/IP cable, at least cat. 5e	M12, D-coded, screened (X4)
	M12 Power, A-coded (X1)
Installation orientation	Door hinge DIN left
Switching frequency	0.25 Hz
Storage temperature	-25 ... 70 °C
Mechanical life	
	1×10^6
in case of use as door stop, and 1 Joule impact energy	0.1×10^6
Response time	
Bolt position	max. 250 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Emergency stop / machine stop	

	max. 100 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Door position	max. 250 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Shock and vibration resistance	Acc. to EN IEC 60947-5-3
Degree of protection	IP54
Ambient temperature	
at U_B = 24 V DC	-20 ... 55 °C
Material	
Housing	Fiber glass reinforced plastic, nickel-plated die-cast zinc, stainless steel

Characteristic values according to EN ISO 13849-1 and EN IEC 62061

	PL	Maximum SIL	PFH_D	Category	Mission time
Monitoring of the guard position	PL e	3	$3.37x10^{-9}$	4	20 y
Evaluating safety signals	PL e	3	$3.05x10^{-9}$	4	20 y
	Applies to all additionally included safety functions such as emergency stop, enabling switch, etc.				

	$B10_D$	Mission time
Emergency stop	$0.13x10^6$	20 y

Miscellaneous

Slide-in label

Number	Labeling	Note
2	without marking	

Additional feature: incl. lens set, ID no. 120344

Interface

Bus data protocol	Ethernet/IP
Safety data protocol	CIP Safety
Date interface	Ethernet

Downloads

All documentation for this material can be found on our website:
https://www.euchner.com/en-us/a/158250/?#downloads-tab

Ordering data

Ordernumber	158250
Item designation	MGB-L0HB-EIA-L-158250
Gross weight	5,58kg
Global Trade Item Number (GTIN)	4047048007093
Customs tariff number	85371098
ECLASS 11.0	27-27-24-03 Safety-related transponder switch

Accessories

Function expansion

Door handle for MGB-H...



123926
MGB-A-DOORHANDLE-S2-123926

Aluminum, silver anodized
for mounting on all MGB handle modules MGB-H from V3.0.0

Door knob for MGB-H...



124030
MGB-A-DOORKNOB-S2-124030

Aluminum, silver anodized
for mounting on all MGB handle modules MGB-H... from V3.0.0
e.g. on sliding doors

Emergency release for safety system MGB



112989
MGB-A-EMERGENCYRELEASE-112989

Quick emergency release
sealable

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



106051
MGB-E-A2-106051

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

MGB-EI

Interlocking module MGB-L0...-EI with 2 pushbuttons, emergency stop



136557
MGB-L0B-EIA-L-136557

Interlocking (without guard locking)
Emergency stop according to ISO 13850, illuminated
2 illuminated pushbuttons
including adhesive labels
Connection via M12 plug
Pre-assembled on mounting plates
Unicode

Miscellaneous

Adhesive labels

114529
MGB-A-PLATESET-NN01-114529

Adhesive labels suitable for MGB evaluation modules, bus modules and control modules
silver, blank
Packaging unit = 10 pcs.

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

Spare parts

Handle module MGB-H... with automatically extending lockout mechanism



111839
MGB-H-AA1A6-L-111839

Intelligent bolt tongue
Fold-out lockout mechanism
Second automatically extending lockout mechanism
Door handle
Mounting plate