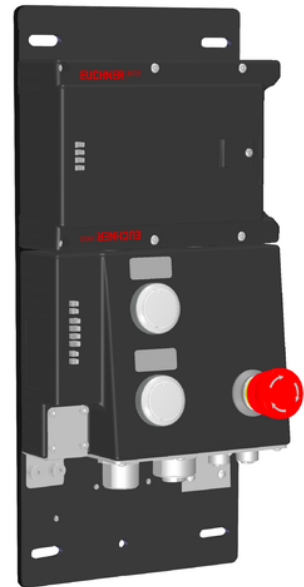


## MGB-L0B-PNA-R-124126 (Order no. 124126)

### Interlocking module and bus module MGB-L0...-PN with 2 control elements, 7/8" and M12 plugs

- ▶ Interlocking (without guard locking)
- ▶ Emergency stop according to ISO 13850, illuminated
- ▶ 2 illuminated pushbuttons
- ▶ including adhesive labels
- ▶ Connection via 7/8" and M12 plugs
- ▶ Pre-assembled on mounting plates
- ▶ Integrated Profinet RT switch
- ▶ Unicode



#### Profinet connection

7/8" plugs according to ANSI/B93.55M-1981 and M12 plugs (d-coded) according to IEC 61076-2-101

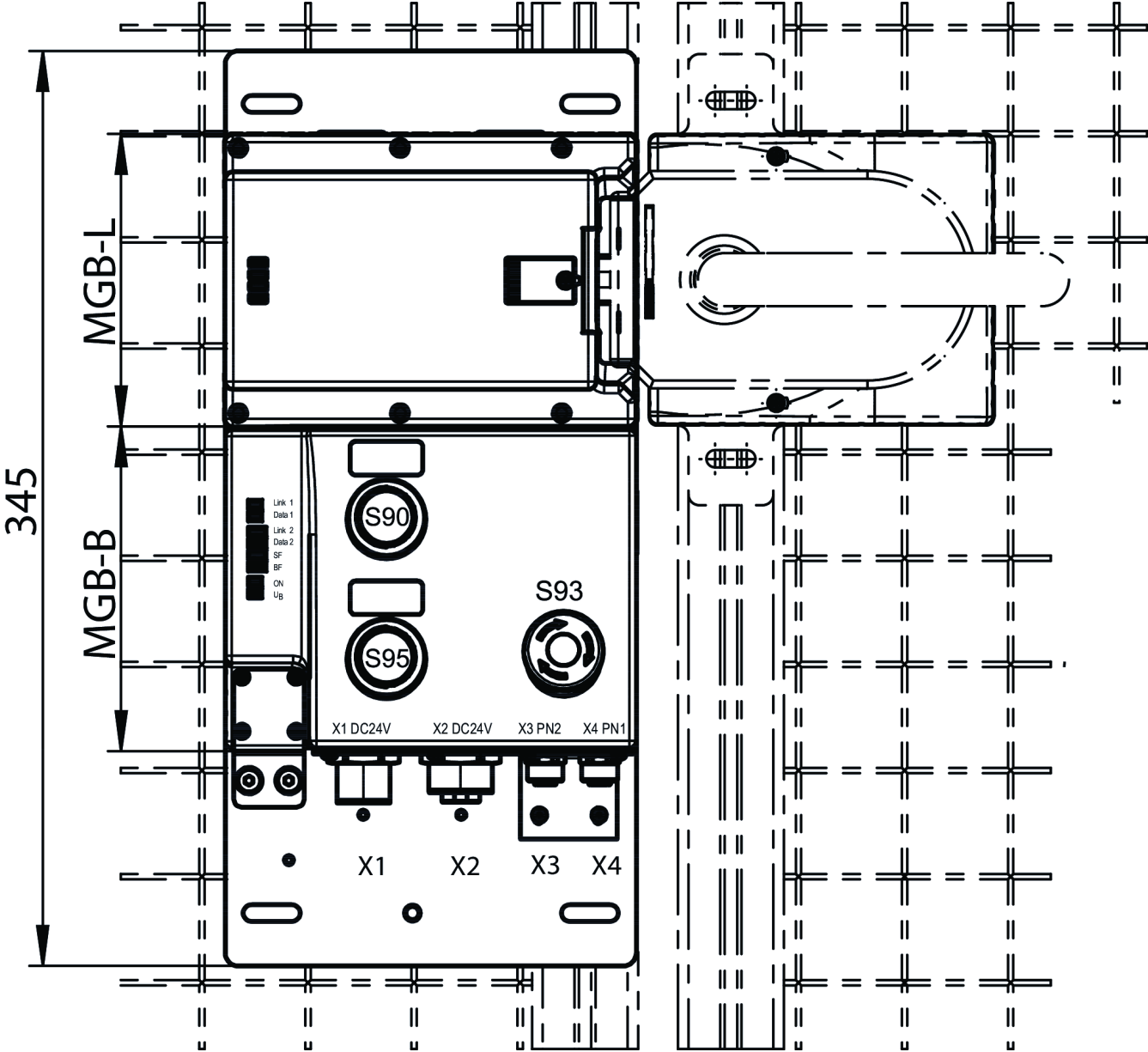
#### Profinet RT switch

Point-to-point topology network structure due to integrated RT switch.

#### Illuminated emergency stop

Emergency stop with illumination that can be controlled as required.

Dimensional drawings



## Technical data

### Approvals



### Workspace

Secured switch-off distance $s_{ar}$
Door position    max. 65 mm

### Operating and display elements

Occupancy diagram

L0

B1

Item	Extras	Color	Designation1	Number	LED	Version	Slide-in label	Switching element	Note slide-in label
90						Illuminated pushbutton		1NO	
93						Emergency stop illuminated		2 PD	
95						Illuminated pushbutton		1NO	

### Electrical connection values

Connecting cable	
Ethernet	Profinet I/O cable, at least cat. 5e
Rated insulation voltage $U_i$	75 V
Rated impulse withstand 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	7/8" Power (X2 (The document PROFINET "Cabling and Interconnection Technology" from the PNO aids in the correct selection of cables.))
according to IEC 61076-2-101, Profinet I/O cable, at least cat. 5e	M12, D-coded, screened (X3 (The document PROFINET "Cabling and Interconnection Technology" from the PNO aids in the correct selection of cables.))
according to IEC 61076-2-101, Profinet I/O cable, at least cat. 5e	M12, D-coded, screened (X4 (The document PROFINET "Cabling and Interconnection Technology" from the PNO aids in the correct selection of cables.))
	7/8" Power (X1 (The document PROFINET "Cabling and Interconnection Technology" from the PNO aids in the correct selection of cables.))

Installation orientation	Door hinge DIN right
Switching frequency	0.25 Hz
Mechanical life	1 x 10 <sup>6</sup>
in case of use as door stop, and 1 Joule impact energy	0.1 x 10 <sup>6</sup>
<b>Response time</b>	
Door position	max. 550 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.)
Bolt position	max. 550 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. 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 <sub>B</sub> = 24 V DC -20 ... +55 °C
<b>Material</b>	
Housing	Fiber glass reinforced plastic, nickel-plated die-cast zinc, stainless steel

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

Mission time	20 y
<b>Emergency stop</b>	
B <sub>10D</sub>	0.13 x 10 <sup>6</sup>
<b>Emergency-stop evaluation</b>	
Category	4
Performance Level	PL e
PFH <sub>D</sub>	4.1 x 10 <sup>-8</sup>

## Monitoring of the guard position

Diagnostic Coverage (DC)	99 %
Category	4
Performance Level	PL e
PFH <sub>D</sub>	4.07 x 10 <sup>-8</sup> (Fixed failure rate without consideration of faults in wearing parts.)
Safety Integrity Level	SIL 3 (EN 62061:2005)

## Miscellaneous

Slide-in label

### Number Labeling Note

2 without marking

Product version number V3.30.10

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

## Interface

Bus data protocol	Profinet (IEC 61158 type 10)
Safety data protocol	Profisafe (IEC 61784-3-3)
Date interface	Ethernet

## Downloads

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

<https://www.euchner.de/en-us/a/124126/?#downloads-tab>

**Ordering data**

Ordernumber	124126
Item designation	MGB-L0B-PNA-R-124126
Gross weight	1,kg
European Article Number (EAN)	4047048006416
Customs tariff number	85365019000
ECLASS	27-27-24-03 Safety-related transponder switch



## Accessories

### miscellaneous accessories

#### 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



**125359**

AY-SET-LNS-SY02-125359



**120377**

AY-SET-LNS-SY01-120377



**158307**

AY-SET-LNS-SY04-158307



**126158**

AY-SET-LNS-SY03-126158



**160049**

AY-SET-LNS-SY05-160049

#### Lens set, 5 colors



**163284**

AY-SET-LNS-0003-163284



**120344**

AY-SET-LNS-0001-120344

#### Lens set, 6 colors



**120378**

AY-SET-LNS-0002-120378