

## MGB-L2B-PNA-L-114045 (Order no. 114045)

### Evaluation module and bus module MGB-L2...-PN... (guard locking by solenoid force) without controls or indicators, push-pull plug

- ▶ Guard locking with guard lock monitoring
- ▶ Push-pull plug
- ▶ Pre-assembled on mounting plates
- ▶ Integrated Profinet RT switch
- ▶ Unicode



#### **Profinet connection**

Connection via push-pull plugs according to IEC 61076-3-117

#### **Profinet RT switch**

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

#### **Flexible use as interlocking or guard locking**

By means of the corresponding evaluation of the safe device data by the control system, use can be as either interlocking or guard locking (with or without monitoring).

## Technical data

### Approvals



### Workspace

Secured switch-off distance  $s_{ar}$

Only with sliding door 20 mm

(Only applies for use on sliding doors with deactivated guard lock monitoring)

### Operating and display elements

Occupancy diagram

B0

L0

### Electrical connection values

Connecting cable

Ethernet Profinet I/O 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

according to IEC 61076-3-117, variant 14, screened, Profinet I/O cable, at least cat. 5e Push-pull RJ45  
 (X4 (The document PROFINET 'Cabling and Interconnection Technology' from the PNO aids in the correct selection of cables.))

according to IEC 61076-3-117, variant 14, screened, Profinet I/O cable, at least cat. 5e Push-pull RJ45  
 (X3 (The document PROFINET 'Cabling and Interconnection Technology' from the PNO aids in the correct selection of cables.))

Push-pull power  
 (X2 (The document PROFINET 'Cabling and Interconnection Technology' from the PNO aids in the correct selection of cables.))

Push-pull power  
 (X1 (The document PROFINET 'Cabling and Interconnection Technology' from the PNO aids in the correct selection of cables.))

Installation orientation Door hinge DIN left

Switching frequency 0.25 Hz

Storage temperature -25 ... 70 °C

### 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>