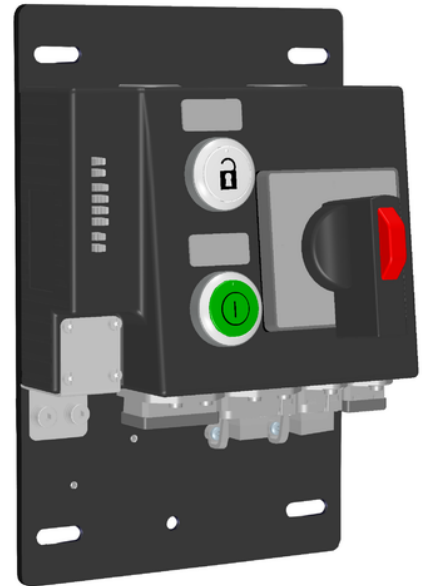


MGB-B-A4W2A2-PN-157325 (Order no. 157325)

Bus module MGB-B...-PN... with 3 controls and indicators, push-pull plug

- ▶ 2 illuminated pushbuttons
- ▶ Operating mode selector
- ▶ including adhesive labels
- ▶ Push-pull plug
- ▶ Pre-assembled on mounting plates
- ▶ Integrated Profinet RT switch



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.

Technical data

Approvals



Operating and display elements

Occupancy diagram B4

Item	Color	Extras	Note slide-in label	Version	Switching element	Slide-in label	Number	Designation1	LED
90	white	printed		Illuminated pushbutton	1NO				
91				Operating mode selector	Code 2 of 3	mit Symbolen			
92	green	printed		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 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
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))
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Auxiliary voltage DC

L2	24 V DC –15% ... +10% (The auxiliary voltage is not required for the MGB system)
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Power supply X2

Operating voltage DC

L1	24 V DC –15% ... +10% (For looping through for connected devices)
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Auxiliary voltage DC

L2	24 V DC –15% ... +10% (For looping through for connected devices)
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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.))
	Push-pull power (X2 (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 (X1 (The document PROFINET 'Cabling and Interconnection Technology' from the PNO aids in the correct selection of cables.))

Installation orientation	any
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Switching frequency	0.25 Hz
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Storage temperature	–25 ... 70 °C
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Response time

Operating mode selector	max. 220 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.)
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