

Installation instructions

Device range *gesis* EIB M2



05.590.6389.0/05.01

Wieland Electric GmbH
Brennerstraße 10 – 14
D-96052 Bamberg

Telefon 09 51.93 24-0
Telefax 09 51.93 24-1 98

mail@wieland-electric.com
www.wieland-electric.com
www.gesis.com

Information:
info@wieland-electric.com

Device range *gesis* EIB M2

Basic module

gesis EIB M2-BAS 83.020.1020.0

4-fold binary input 230 V

gesis EIB M2-4/0 83.020.1021.0

4-fold binary input 24 V DC

gesis EIB M2-4/0 (24) 83.020.1022.0

2-fold load switch

gesis EIB M2-0/2 83.020.1023.0

2-fold parallel shutter switch

gesis EIB M2-0/1 Wx2 83.020.1024.0

2-fold binary output

gesis EIB M2-0/2 B 83.020.1025.0

Switch/dimming actuator

gesis EIB M2-0/1 SD 83.020.1026.0

Brief description:

The modular, EIB-compatible device range *gesis* EIB M2 is designed for surface-mounted installation in suspended ceilings or cellular floors. All the terminals of the modules have plug connections. The connectors, cable assemblies and accessories are from the *gesis* con range. The functionality of a device configuration is not preset and can have a modular structure composed of various inputs and outputs, depending on the requirements of the installation. An internal bus is used for communication between the modules which is independent of the EIB. The mains and bus voltage for all the modules is supplied via the basic module. When assembling the modules, the internal bus and the mains voltage are automatically looped through. By combining the *gesis* EIB M2 with the connector system *gesis* con, a maximum level of flexibility in the electrical installation can be achieved with a very short installation period.

Bedienelemente

P 1 Routing: Mains (plug), 5 pole (L1, L2, L3, N, PE)

P 2 Routing: EIB (plug), 2 pole (+, -)

P 3 Routing: Mains/EIB combination connector (plug), 5/2 pole (L1, L2, L3, N, PE / +, -)

P 4 Supply: Mains (socket), 5 pole (L1, L2, L3, N, PE)

P 5 Locking of the supply plug P5 or P8 with the basic module, only required if the distribution block P8 is not used

P 6 Supply: EIB (socket), 2 pole (+, -)

P 7 Supply: Mains/EIB combination connector (socket), 5/2 pole (L1, L2, L3, N, PE / +, -)

P 8 Distribution block for mains/EIB

P 9 Labelling field for the physical address

P 10 Labelling field for the outer conductor assignment

P 11 Module address switch with labelling field

- P 12 Basic module
- P 13 Module block consisting of the basic module P17 and extension modules P18
- P 14 Extension module
- P 15 Plug-in jumper for the outer conductor assignment
- P 16 End stop for fixing the module block
- P 17 Socket components integrated in the extension module for connection of loads or floating contacts
- P 18 Mounting rail for surface-mounted assembly
- P 19 End bracket for fixing the module block
- P 20 Cable bracket
- P 21 Cable fixing
- P 22 Isolation of the modules for dismantling
- P 23 Lever for latching the modules together
- P 24 Moving the interlocking slide into the parking position
- P 25 Interlocking slide for fixing the modules onto the DIN rail
- P 26 Snapping the interlocking slide into place to fix the module block
- P 27 Slot for DIN rail mounted installation

Important

Assembly of switching devices

- Connectors must audibly latch into place when they are plugged in
- All cables must be fixed and supplied with a sufficient strain relief

Installing the module blocks

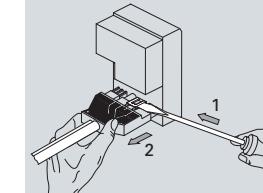
1. Mount the DIN rail, taking P27 into account.
2. The complete block installation P13 can be carried out as described in points 3 to 6 independently of the DIN rail.
3. Enter the appropriate physical address on the labelling field P9 of the basic module.
4. At the side of the output and shutter modules, remove the plug-in jumper indicated in P15 from the module, produce the required outer conductor assignment according to P15 and enter on the device label P10.
5. Connect the corresponding extension modules and the basic module together to form a block, while ensuring that the lever P23 is latched into position.
6. Set the module addresses P11 and enter on the labelling field.
7. To mount the module block on the DIN rail, withdraw the interlocking slide P25 of all the modules, as indicated in P24, until it latches into the parking position.
8. Set the voltage supply end of the module block onto the DIN rail next to the end stop P16 and slide the module towards it.
9. Fix the module block onto the DIN rail by pressing the top of the latching lever briefly P25, as indicated in P26.

Caution

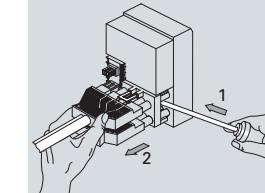
The plug-in jumper indicated in P15 may only be inserted and removed when the module is de-energized.



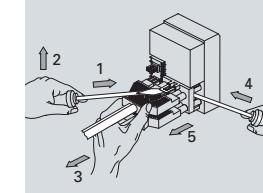
1. Release variant



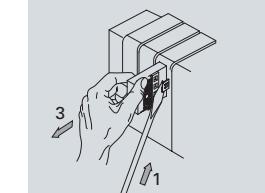
2. Release variant



3. Release variant



4. Release variant



10. Secure the module block against movement using the end bracket P19.
11. If the distribution block P8 is required for looping through the supply cable, it should be connected to the basic module. Note that the interlocking device must audibly click into place.
12. If the supply is carried out directly with a connector without using a distribution block P8, the interlocking device P5 (ordered separately under 05.587.3156.1) must be latched onto the connector.
13. Place the cable bracket P20 on the DIN rail and fix in position with the screw.
14. Place the connectors of the supply cable P1, 2, 3 / routing cable P4, 6, 7 and the instabus EIB cable P2 into the distribution block P8 or in the basic module P12. The connectors must audibly latch into place when they are plugged in.
15. To fix the supply or routing cable P1 – P7 to the supplied cable binder, attach to the cable bracket P20 as indicated in P21.
20. Remove the outgoing connectors from the corresponding modules as indicated in release variant 4. Position the screwdriver at the interlocking clip and disengage the connector by lifting the latch mechanism at the plug.
21. Set all the interlocking slides P25 to the parking position as indicated in P24 and detach the module block P13 from the mounting rail P18.
22. Separate the modules P14 from each other or separate the basic module P12 from the modules P14 by pressing on the latch mechanism P23, as indicated in P22.

Tips

As the module block only requires the bus voltage for programming, it can also be programmed in advance.

The following data must be noted on the labels for documentation purposes:

- physical address of the basic module according to P9
- selected module address according to P11
- connected outer conductor assignment according to P10

Demontage des Modulblocks

16. Remove the cable binder as indicated in P21.
17. If no distribution block P8 has been used, remove the connectors P6, P4 or P7 as shown in **release variant 1**.
18. If the supply of other modules should not be interrupted, only the distribution block P8 as shown in **release variant 2** should be removed from the basic module P12, together with the supply (P6, 4, 7) and routing cable connectors (P2, 1, 3).
19. If required, the supply (P6, 4, 7) and routing cable connectors (P2, 1, 3) as well as the distribution block P8 can be removed as described in **release variant 3**. EIB connectors P2 and P6 can be removed without using a tool.

CAUTION

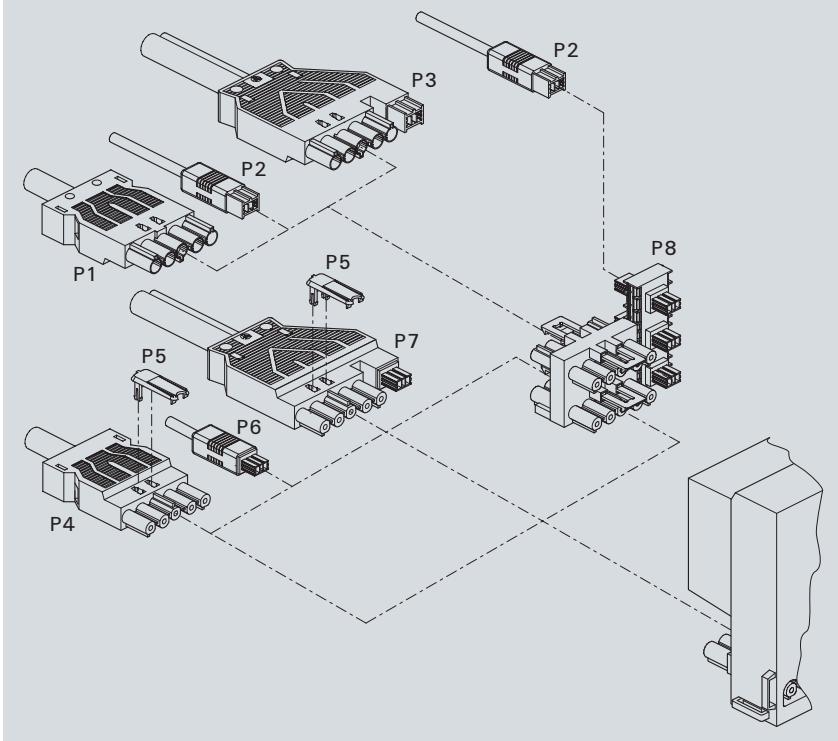
The plug-in jumper indicated in P15 may only be inserted and removed when the module is de-energized.



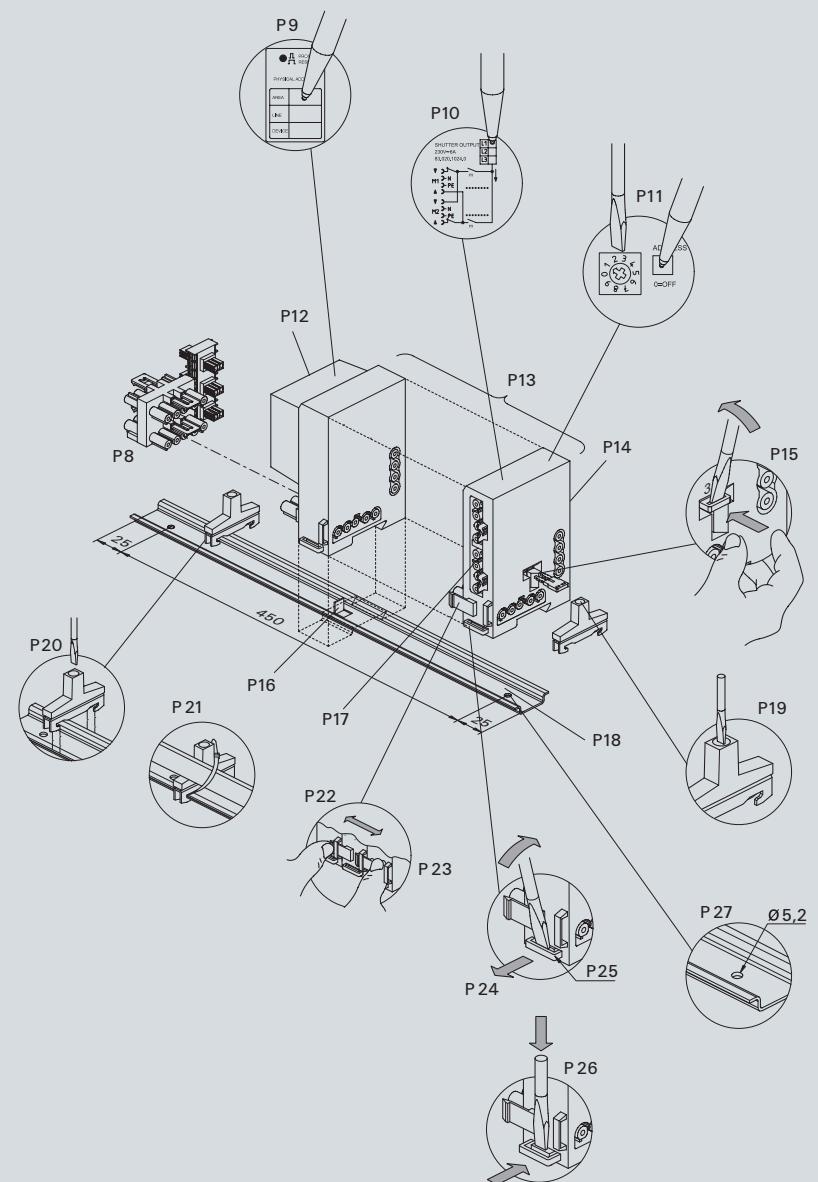
Important note

- The devices must be protected against damp, dirt and from being damaged
- The devices may not be operated outside the specific technical data
- The appropriate standards, guidelines, regulations and conditions for setting up electrical installations should be complied with as well as the relevant safety specifications

Connection possibilities



Operating elements



Mounting dimensions

Data in mm

