

Installation instructions

Device range gesis EIB V



wieland

Electrical
Connections

05.562.1489.0/02.00

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Device range gesis EIB V.....

Combination actuator
2-fold switch output and, 1-fold shutter output
3-phase mains connection

gesis EIB V-0/2 +1W 83.020.0212.0

Switch/dimming output, 3-phase mains connection
gesis EIB V-0/2SD 83.020.0213.0

4-fold switch output, 3-phase mains connection
gesis EIB V-0/4 83.020.0215.0

2-fold shutter output, 3-phase mains connection
gesis EIB V-0/2W 83.020.0216.0

Combination actuator
2-fold switch output and, 1-fold shutter output
1-phase mains connection

gesis EIB V-0/2 + 1W 1PH 83.020.0212.2

Switch/dimming output, 1-phase mains connection
gesis EIB V-0/2SD 1PH 83.020.0213.2

4-fold switch output, 1-phase mains connection
gesis EIB V-0/4 1PH 83.020.0215.2

2-fold shutter output, 1-phase mains connection
gesis EIB V-0/2W 1PH 83.020.0216.2

Note:

This instruction leaflet is valid for the devices mentioned in the left listing, and additionally for the following gesis EIB-V devices:

2-fold shutter output with positioning, 1-phase mains connection
gesis EIB V-0/2W Si 1Ph 83.020.0211.0

4-fold shutter output with positioning, 3-phase mains connection
gesis EIB V-0/2W Si 83.020.0211.2

6-fold switch output, 3-phase mains connection
gesis EIB V-0/6 83.020.0214.2

Brief description

The switching devices from the *gesis EIB V* range are EIB switch actuators for installation in suspended ceilings or cellular floors. They are connected solely using connectors from the *gesis con* range. Both single- and three-phase devices are available within the range of switching devices. For the single-phase devices, only terminals 2 (for external conductor), N and PE are occupied in the supply plug that is integrated in the switching device. All devices are however connected with 5 pole mains plugs (1, 2, 3, for the external conductor as well as N and PE) in various forms.

Operating elements

P 1 Output connector:

- 3 pole plug (L switched, N, PE) for switch outputs
- 4 pole plug (1 UP, 2 DOWN, N, PE) for shutter outputs
- 5 pole plug (L switched, N, PE, 1-10V) for switch /dimming output

P 2 Locking of supply plug P6 or P7 (using the locking device 05.587.3156.1 if no distribution block has been used)

P 3 Locking of the flat cable adapter P5 (using the locking device 05.587.3156.1)

P 4 Flat cable 5 x 2.5 mm² for mains and 2 x 1.5 mm² for EIB

P 5 Supply for flat cable adapter: 5 / 2 pole socket consisting of one section for mains supply (L1, L2, L3, N, PE) and one section for bus supply (+, -).

P 6 Supply: Mains / EIB combination connector (5 / 2 pole socket L1, L2, L3, N, PE / +, -)

Important note

- 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
 - 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

P 7 Supply: Mains connection (socket), 5 pole (L1, L2, L3, N, PE)

P 8 Supply: Bus connection (socket), 2 pole (+, -)

P 9 Routing: Mains / EIB combination connector (plug) 5 / 2 pole (L1, L2, L3, N, PE / +, -)

P 10 Routing: Mains (plug), 5 pole (L1, L2, L3, N, PE)

P 11 Routing: EIB (plug), 2 pole (+, -)

P 12 Routing: EIB (plug), 2 pole (+, -)

P 13 Slot (12 x 5.5 mm) for fixing the switching device with a countersunk screw. Recommended screws: 4.5 x 40 mm countersunk screws when using 6 mm plastic plugs

P 14 Hinged clip for securing the plug-and-socket connection

P 15 Supply plug integrated into the switching device

Both the single-phase devices *gesis* EIB V-0/4 1PH and the three-phase devices *gesis* EIB V... have a 5 pole mains connection

P 16 LED for displaying the programming state

P 17 Push button for setting device to programming state

P 18 Labelling field for the physical address

P 19 Slot (7.5 x 5.5 mm) for fixing the switching device with a countersunk screw. Recommended screws: 4.5 x 40 mm countersunk screws when using 6 mm plastic plugs

P 20 Switching device *gesis* EIB....

P 21 Fixing possibilities on the switching device for leading the extension cables via the switching device

P 22 Sockets integrated in the switching device for connecting consumer loads. The number of poles and the terminals are the same as for the output connectors P1

Assembly using flat cable P4

- Enter the physical address on labelling field P18.
- The device should possibly be preprogrammed with a programming layout consisting of a power supply and an interface.
- Attach the flat cable adapter P5 to the flat cable P4, while observing the installation instructions for the flat cable adapter.

Caution

Before assembling the flat cable adapter P5, ensure that the flat cable P4 is de-energized.



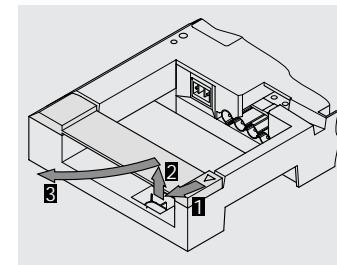
- Snap the locking device P3 into place in the flat cable adapter P5.
- Open the fixing clip P14 for the supply cable as indicated below.
- Latch the flat cable adapter tight into the appliance connector P15.
- Fix the switching device in the required position using countersunk screws via the slots P13 (12 x 5.5 mm) and P19 (7 x 5.5 mm). (drilling distance 230 mm x 64.5 mm)
- Close the fixing clip P14 again since is not required for this variant.

Assembly using round cables

- Enter the relevant physical address on the labelling field P18.
- The device may possibly need to be preprogrammed with a programming layout consisting of a power supply and an interface.
- Open the fixing clip P14 for the supply cable as indicated below.
- When using P6 or P7 without a distribution block P12, snap the interlocking clip P2 into place.
- Latch the supply cable P6 or P7 and P8 or the distribution block P12 into the switching device.
- When using the distribution block P12, snap the supply cables P6 or P7 and P8 into place in the distribution block.
- Latch the fixing clip P14 again.
- Snap any extension cables into place in the distribution board P12.
- Any cables for further connection beyond the switching device can be fixed in P21 as shown.

Opening the fixing clip P14

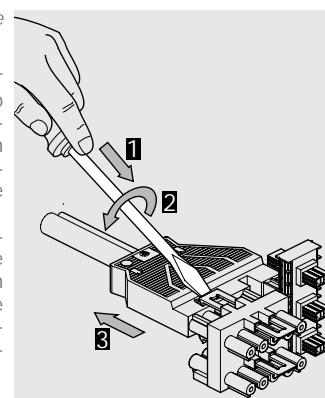
Pull the fixing clip outwards on the side with the arrow (1), lift slightly (2) and then swivel by 90°. If it needs to be removed completely, it should be pulled from the opposite side (1) and removed.



Release variant 1

For freely accessible latch mechanisms

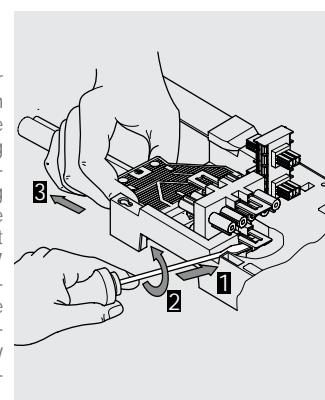
Place the screwdriver on the interlocking clip (1), as for example between the distribution block P12 and the supply connector P6 or the output connector P1 with the switching device P20, and disengage by lifting the latch mechanism (2) while simultaneously separating the plug-and-socket connection (3).



Release variant 2

For inaccessible latch mechanisms

Place the screwdriver (1) at the side between the connector and the relevant interlocking clip, as for example between the switching device P20 and the supply plug-and-socket connections P5, P6, P7 or P12 and lift the latching device (2). The connection is disengaged by simultaneously separating the connector (3).



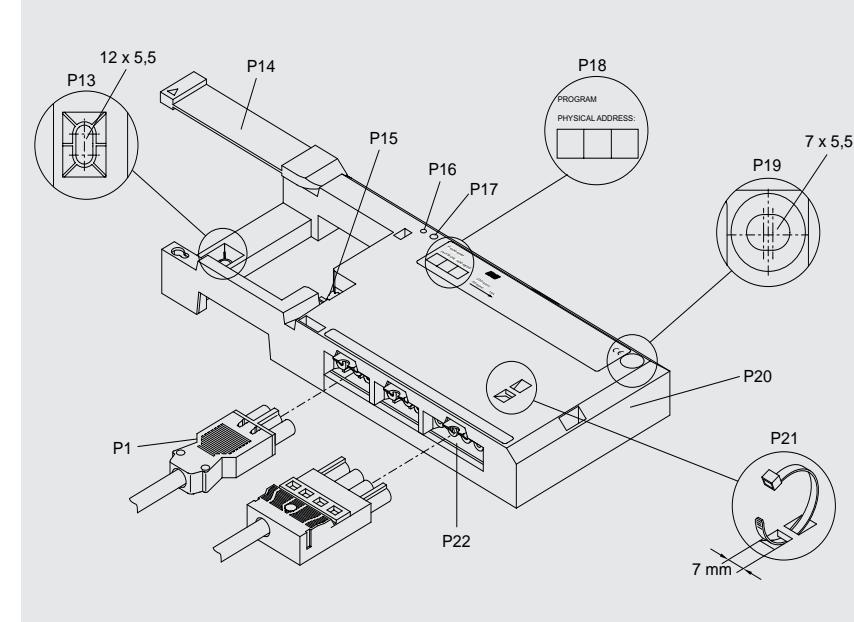
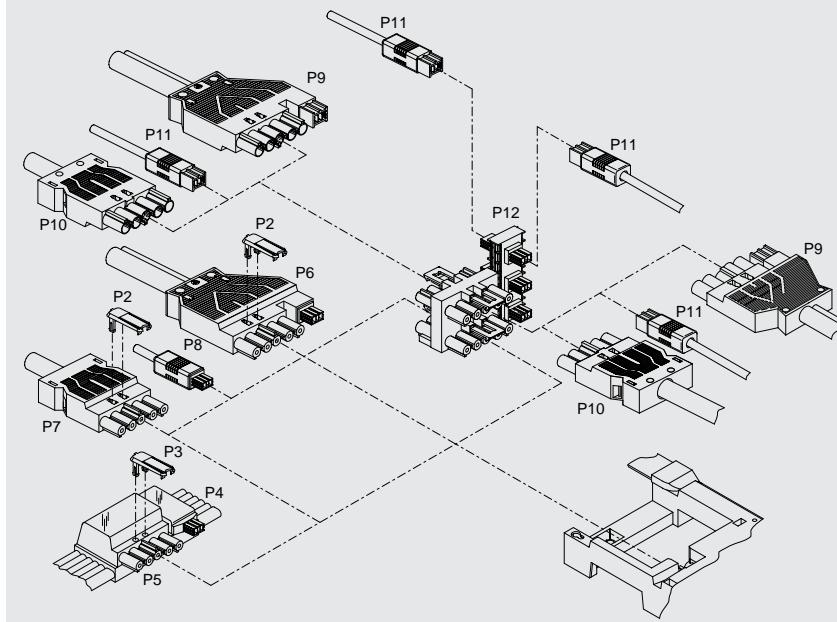
Dismantling when using flat cables P4

Caution

Before dismantling the flat cable adapter P5, ensure that the flat cable P4 is de-energized.

- Remove the output connector P1 as indicated for release variant 1.
- Open the fixing clip P14 as indicated above.
- Unscrew the switching device by loosening the countersunk screws (P13 and P19).
- Remove the flat cable adapter P5 from the switching device as indicated for release variant 2.
- If necessary, unscrew the flat cable adapter P5 from the flat cable, while taking into account the installation instructions.
- If a flat cable adapter is no longer to be attached, the piercing holes should be sealed with a few twists of insulating tape.

Connection options and operating elements



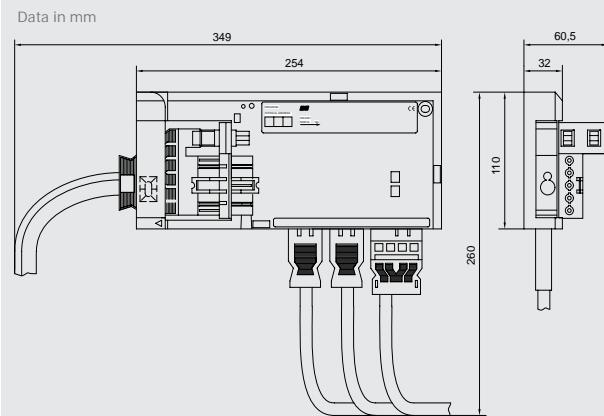
Dismantling when using round cables

24. Remove the output connector P1 as indicated for release variant 1.
25. Remove any existing cable connectors as indicated in P21.
26. Open the fixing clip P14 as indicated above.
27. If no distribution block P12 has been used, the supply connector P6 or P7 is removed as shown for release variant 2. The EIB connector P8 can be removed without using a tool.
28. If the distribution block P12 has been used, and the supply of further modules is not to be interrupted, remove only the distribution block from the switching device, as indicated for release variant 2. The supply plugs and extension cables on the distribution block P12 remain connected.
29. If required, the supply and extension cable connections on distribution block P12 can be removed as described in release variant 1. EIB connectors P8 and P11 can be removed without using a tool.
30. Unscrew the switching device by loosening the countersunk screws (P13 and P19).

Important note

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

Mounting dimensions when using the round cable for supply



Mounting dimensions when using the flat cable for supply

