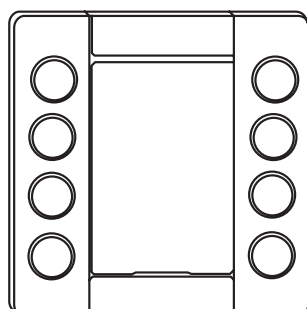


System Design push-button, 4-gang

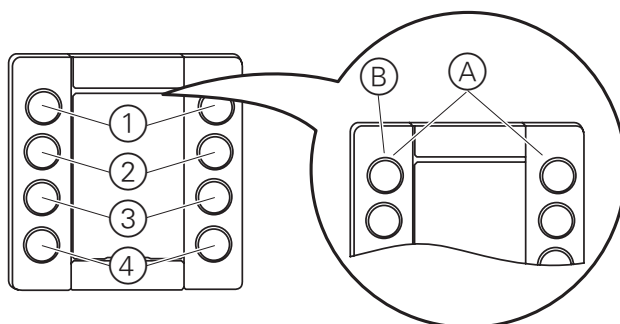


| Colour | Article no. |
|-----------------|-------------|
| polar white | 622619 |
| white | 622644 |
| aluminium | 622660 |
| vanilla | 622682 |
| ice blue | 622688 |
| light grey | 622629 |
| midnight blue | 622678 |
| dark brazil | 622615 |
| black grey | 622669 |
| stainless steel | 622646 |

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1. Function



A Operating display (green circles)

B Status display (red circles)

1 Upper push-button pair

3 Upper middle push-button pair

3 Lower middle push-button pair

4 Lower push-button pair

The INSTABUS 4-gang push-button is a command device for e.g. switching, dimming and blind control functions according to the "application software" loaded into the flush-mounted insert.

A push-button pair 1, 2, 3, 4 consists of two horizontally adjacent push-buttons. When one of the two push-buttons is pressed, a data telegram for ON, BRIGHTER, UP etc. is sent while a data telegram for OFF, DARKER, DOWN etc. is sent when the other push-button is pressed.

The green circles A around the push-buttons indicate that the push-button is ready for operation. They can also be used as an orientation light.

The red circles B around the push-buttons on the left are programmable status displays.

2. Installation

The push-button is an application module in the System Design range and is clipped onto:

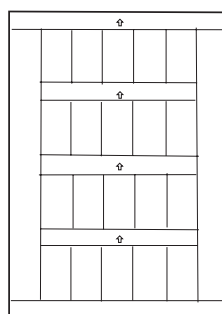
- Bus coupler, flush-mounted (art. no. 690099)
- Switch actuator, flush-mounted/230/10 (art. no. 627099)
- Series actuator, flush-mounted/230/6 (art. no. 627199)
- Blind actuator, flush-mounted/230/6 (art. no. 627299)



The push-button must also be completed with a System Design frame.

Labelling

Labelling sheets



| Colour | Article no. |
|------------------------|-------------|
| polar white/ silver | 618919 |
| white | 618944 |

Function

Labelling sheets are available as an accessory. They can be professionally provided with text and symbols using the Merten labelling software (art. no. 615022).

3. Technical Data

| | |
|---|--|
| Initialisation: | Due to the limitation of the telegram rate, a telegram cannot be generated until at least 17 s after the initialisation. |
| Display elements: | Green LED for indicating the device is ready for operation, can be switched off via parameters Red LED for status display |
| Operating elements: | Four push-button pairs |
| Ambient temperature | |
| Operation: | -5° C to +45° C |
| Storage: | -25° C to +55° C |
| Transport: | -25° C to +70° C |
| Max. humidity: | 93 % |
| Connection to the flush-mounted insert via: | PEI , 10-pole plug connector |

4. Settings in the EIB Tool Software (ETS)

Selection in the product database

| | |
|---|-----------------------------------|
| Manufacturer: | Merten |
| Product family: | 2.3 Push-button, 4-gang |
| Product type: | 2.3.14 System Design |
| Programs in connection with the bus coupler, flush-mounted (art. no. 690099): | |
| | Switch 1540/1 |
| | Edges 1541/1 |
| | Dim/Switch 3190/1 |
| | Blind/Switch 5190/2 |
| | Blind/Dimming 5191/1 |
| | Blind/Dim/2 x Switch 5193/1 |
| Media type: | Twisted Pair/Power Line |
| Product name: | System Design push-button, 4-gang |
| Order number: | 6226xx |

| | |
|--|--|
| Manufacturer: | Merten |
| Product family: | 4.1 Switch actuator, 1-gang |
| Product type: | 4.1.01 Flush-mounted FM |
| Programs in connection with the switch actuator, flush-mounted/230/10 (art. no. 627099): | |
| | Push-button + Switch Stairc. Log. Stat. Init. 4614/1.1 |
| Media type: | Twisted Pair |
| Product name: | Switch actuator, 1-gang |
| Order number: | 627099 |

| | |
|---|--|
| Manufacturer: | Merten |
| Product family: | 4.2 Switch actuator, 2-gang |
| Product type: | 4.2.01 Flush-mounted FM |
| Programs in connection with the series actuator, flush-mounted/230/6 (art. no. 627199): | |
| | Push-button + Switch Stairc. Log. Stat. Init. 4714/1.1 |
| Media type: | Twisted Pair |
| Product name: | Switch actuator, 2-gang |
| Order number: | 627199 |

| | |
|--|------------------------------|
| Manufacturer: | Merten |
| Product family: | 4.5 Blind actuator |
| Product type: | 4.5.05 Flush-mounted FM |
| Programs in connection with the blind actuator, flush-mounted/230/6 (art. no. 627299): | |
| | Push-button + Blind 5614/1.0 |
| Media type: | Twisted Pair |
| Product name: | Blind actuator |
| Order number: | 627299 |

5. Application overview

The following applications can be selected with the bus coupler, flush-mounted (art. no. 690099):

| Application | Vers. | Function |
|-----------------------------|-------|--|
| Switch 1540/1 | 1 | Send 1 bit switching commands |
| | | Status response |
| | | Operating display |
| Edges 1541/1 | 1 | Send 1 bit pulse edge commands via 2 objects |
| | | Status response |
| | | Operating display |
| Dim/Switch 3190/1 | 1 | Send dimming commands |
| | | Send 1 bit switching commands |
| | | Operating display |
| Blind/Switch 5190/2 | 2 | Send blind control commands |
| | | Send 1 bit switching commands |
| | | Status response |
| | | Operating display |
| Blind/Dimming 5191/1 | 1 | Send blind control commands |
| | | Send dimming commands |
| | | Operating display |
| Blind/Dim/2 x Switch 5193/1 | 1 | Send blind control commands |
| | | Send dimming commands |
| | | Send 1 bit switching commands |
| | | Operating display |

The following applications can be selected with the switch actuator, flush-mounted/230/10 (art. no. 627099):

| Application | Vers. | Function |
|--|-------|--|
| Push-button + Switch Stairc. Log. Stat. Init. 4614/1.1 | 1.1 | Send 1/8 bit switching commands |
| | | Send 1/8 bit toggle commands |
| | | Send 1/8 bit pulse edge commands via 2 objects |
| | | Send dimming commands with parameterisable dimming steps |
| | | Send blind control commands or positioning values |
| | | Send temperature values |
| | | Send 8 bit values via 2 objects |
| | | Operating display |
| | | Disable push-buttons |
| | | Switching function |
| | | Staircase lighting function |
| | | AND/OR logic function |
| | | Blocking |
| | | Status response |
| | | Relay operation |
| | | Behaviour on failure of the bus voltage |
| | | Behaviour on application/recovery of the bus voltage |

The following applications can be selected with the series actuator (art. no. 627199):

| Application | Vers. | Function |
|--|-------|--|
| Push-button + Switch Stairc. Log. Stat. Init. 4714/1.1 | 1.1 | Send 1/8 bit switching commands |
| | | Send 1/8 bit toggle commands |
| | | Send 1/8 bit pulse edge commands via 2 objects |
| | | Send dimming commands with parameterisable dimming steps |
| | | Send blind control commands or positioning values |
| | | Send temperature values |
| | | Send 8 bit values via 2 objects |
| | | Operating display |
| | | Disable push-buttons |
| | | Switching function |
| | | Staircase lighting function |
| | | AND/OR logic function |
| | | Blocking |
| | | Status response |
| | | Relay operation |
| | | Behaviour on failure of the bus voltage |
| | | Behaviour on application/recovery of the bus voltage |

The following applications can be selected with the blind actuator (art. no. 627299):

| Application | Vers. | Function |
|------------------------------|-------|--|
| Push-button + Blind 5614/1.0 | 1.0 | Send 1/8 bit switching commands |
| | | Send 1/8 bit toggle commands |
| | | Send 1/8 bit pulse edge commands via 2 objects |
| | | Send dimming commands with parameterisable dimming steps |
| | | Send blind control commands or positioning values |
| | | Send temperature values |
| | | Send 8 bit values via 2 objects |
| | | Operating display |
| | | Disable push-buttons |
| | | Blind with slat adjustment |
| | | Roller shutter without slat adjustment |
| | | Safety function |