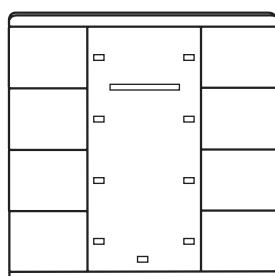


System M multi-function push-button, 4-gang with IR receiver

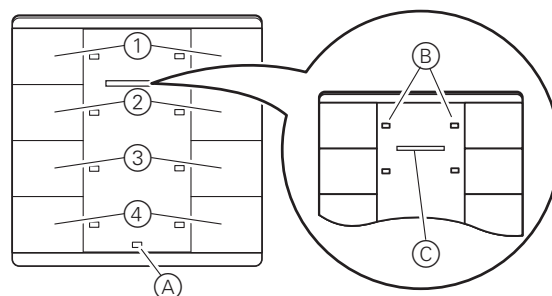


Colour	Article no.
white	624244
polar white	624219
anthracite	624214
aluminium	624260

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1. Function



Ⓐ Operating display (green LED)

Ⓑ Status display (red LEDs)

Ⓒ IR eye

① Upper push-button pair

② Upper middle push-button pair

③ Lower middle push-button pair

④ Lower push-button pair

The INSTABUS 4-gang multi-function 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.

Depending on the application, the push-button pairs ①, ②, ③, ④ are addressed as a pair of two horizontally adjacent push-buttons or as individually programmable push-buttons. When one of the push-buttons of the pair 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. For the individually programmed push-buttons, any push-button can be assigned any function.

The green LED Ⓐ indicates that the push-button is ready for operation. It can also be used as an orientation light.

The multi-function push-button is fitted with an IR receiver. An corresponding IR channel is assigned to each button of the push-button which has the same function as the respective button. The push-button receives the IR signal via the IR eye Ⓒ.

The red LEDs Ⓑ next to the two push-buttons are common for the push-button pairs. When used as individually programmable push-buttons, all the red LEDs Ⓑ are programmable status displays.

2. Installation

The push-button is an application module in System M design and is clipped onto:

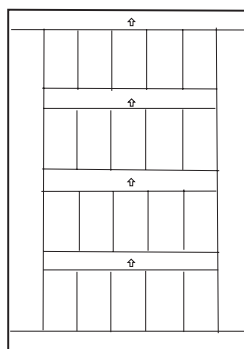
- Bus coupler, flush-mounted 2 (art. no. 690299)
- Switch actuator, flush-mounted/230/10 (art. no. 627099)
- Series actuator, flush-mounted/230/6 (art. no. 627199)
- Blind actuator, flush-mounted/230/6 (art. no. 627299)



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

Labelling

Labelling sheets



Colour	Article no.
polar white	618419
silver	618420

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

Only original labelling sheets may be used so that the LEDs remain visible and the IR eye is not covered.

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 LEDs 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- PEI, 10-pole plug connector mounted insert via:

4. Settings in the EIB Tool Software (ETS)

Selection in the product database

Manufacturer: Merten
 Product family: 1.5 Multi-function push-button
 Product type: 1.5.07 System M with IR
 Programs in connection with the bus coupler, flush-mounted 2 (art. no. 690299):
 Multi-function 1811/1.0
 Multi-function 2 1812/1.0
 Media type: Twisted Pair
 Product name: System M multi-function push-button with IR
 Order number: 6242..

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):
 Multi push-button + Switch Stairc.
 Log. Stat. Init. 4615/2.0
 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):
 Multi push-button + Switch Stairc.
 Log. Stat. Init. 4715/2.0
 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):
 Multi-function push-button + Blind
 5615/2.0
 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 2 (art. no. 690299):

Application	Vers.	Function
Multi-function 1811/1.0	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 scene commands
		Send 8 bit values via 2 objects
		Disable push-buttons
		Status response
		Operating display
		IR range
Multi-function 2 1812/1.0	1	Send 1/8 bit switching commands
		Send 1/8 bit toggle commands
		Send dimming commands with parameterisable dimming steps
		Send blind control commands or positioning values
		Send 1 bit, 2 bit (priority control) or 1 byte pulse edge commands via 2 objects
		Send 2 byte pulse edge commands via 1 object
		Send scene commands
		Status response
		Operating display
		IR range

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

Application	Vers.	Function
Multi push-button + Switch Stairc. Log. Stat. Init. 4615/2.0	2.0	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
		IR range
		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, flush-mounted/230/6 (art. no. 627199):

Application	Vers.	Function
Multi push-button + Switch Stairc. Log. Stat. Init. 4715/2.0	2.0	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
		IR range
		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, flush-mounted/230/6 (art. no. 627299):

Application	Vers.	Function
Multi-function push-button + Blind 5615/2.0	2.0	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
		IR range
		Disable push-buttons
		Blind with slat adjustment
		Roller shutter without slat adjustment
		Safety function