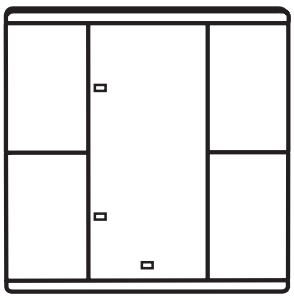
System M push-button, 2-gang

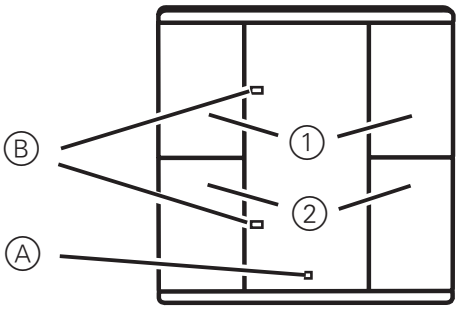


Colour	Article no.
white	623444
polar white	623419
anthracite	623414
aluminium	623460

Table of Contents

1.	Function	1
2.	Installation	1
3.	Technical Data	2
4.	Settings in the EIB Tool Software (ETS)	2
5.	Application overview	3

1. Function



A Operating display (green LED)

B Status display (red LED)

1 Upper push-button pair

2 Lower push-button pair

The INSTABUS 2-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 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 LED indicates that the push-button is ready for operation. It can also be used as an orientation light.

The red LEDs B next to the push-buttons on the left are programmable status displays.

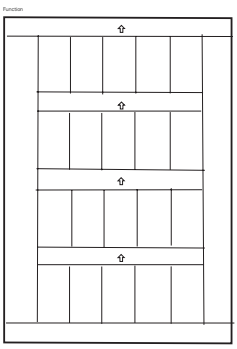
2. Installation

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

- Bus coupler, flush-mounted (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 M frame.

Labelling



Colour	Article no.
polar white	618319
silver	618320

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.

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:	Two 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: 2.2 Push-button, 2-gang
Product type: 2.2.16 System M
Programs in connection with the bus coupler, flush-mounted (art. no. 690099):
Edges 1521/1
Switch/Dim/Blind/Status 1522/2
Media type: Twisted Pair/Power Line
Product name: System M push-button, 2-gang
Order number: 6234xx

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
Edges 1521/1	1	Send 1 bit pulse edge commands via 2 objects
		Status response
		Operating display
Switch/Dim/Blind/ Status 1522/2	2	Send switching commands
		Send dimming commands
		Send blind control commands
		Status response
		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, flush-mounted/230/6 (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, flush-mounted/230/6 (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 blind without slat adjustment
		Safety function