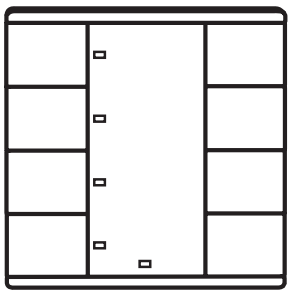
System M push-button, 4-gang



Colour	Article no.
white	623844
polar white	623819
anthracite	623814
aluminium	623860

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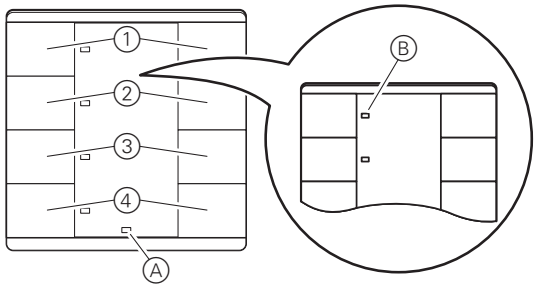
1. Function



A Operating display (green LED)

B Status display (red LED)

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 push-button is a command device for e.g. switching, dimming and blind control functions according to the "application software" which is 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 LED A 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.

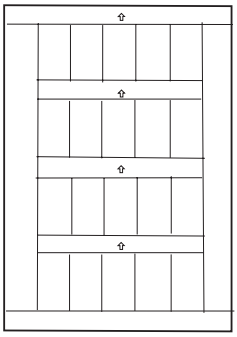
2. Installation

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

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).

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:	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: 2.3.15 System M
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 M push-button, 4-gang
Order number: 6238xx

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, 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 shutter without slat adjustment
		Safety function