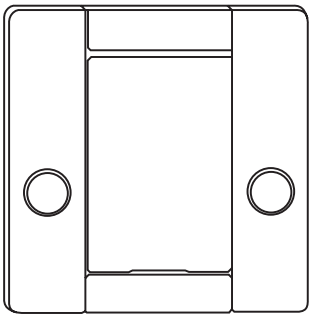
System Design push-button, 1-gang



Colour	Article no.
polar white	622319
white	622344
aluminium	622360
vanilla	622382
ice blue	622388
light grey	622329
midnight blue	622378
dark brazil	622315
black grey	622369
stainless steel	622346

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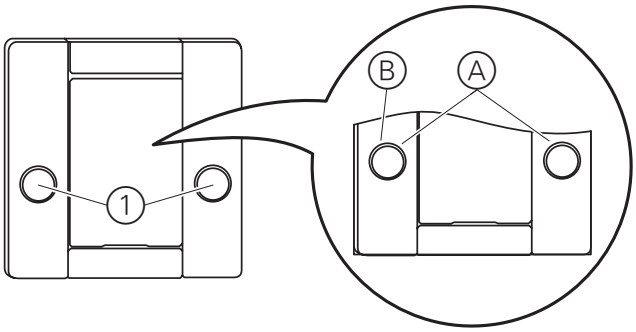
1. Function



A Operating display (green circle)

B Status display (red circle)

1 Push-button pair

The INSTABUS 1-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.

The push-button pair 1 consists of two horizontally adjacent push-buttons. When one of 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 circle B around the left push-button is a programmable status display.

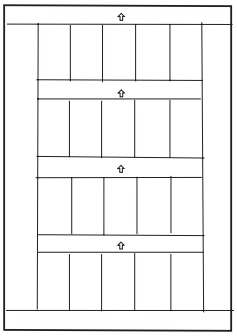
2. Installation

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



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:	One push-button pair
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: 2.1 Push-button, 1-gang
Product type: 2.1.15 System Design
Programs in connection with the bus coupler, flush-mounted (art. no. 690099):
Edges 1511/1
Switch/Dim/Blind/Edge/Toggle/Status 1512/1
Media type: Twisted Pair/Power Line
Product name: System Design push-button, 1-gang
Order number: 6233xx

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 Logic Stairc. 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 Logic Stairc. 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 1511/1	1	Send 1 bit pulse edge commands via 2 objects
		Status response
		Operating display
Switch/Dim/Blind/ Edge/Toggle/Status 1512/1	1	Send 1/8 bit switching commands
		Send dimming commands
		Send blind commands
		Send 1 bit pulse edge commands via 2 objects
		Send toggle 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 Logic Stairc. 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 Logic Stairc. 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