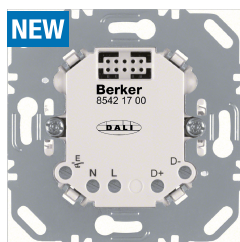


BERKER.NET



DALI/DSI control insert

Operating voltage	230 V~
Frequency	50/60 Hz
DALI voltage	16 V= (10,5 ... 22,5 V=)
Output current	max. 40 mA
Power consumption (standby)	< 0.4 W
number of DALI devices with external power supply	max. 64
Quantity of DALI devices	max. 20
Number of substations	unlimited
Operating temperature	-5 ... +45 °C
DALI cable length at 1.5 mm ²	max. 300 m
Cable length, extensions	max. 100 m
Screw terminals (max.)	2 x 1,5/1 x 2,5 mm ²
Housing installation depth	22 mm
Insertion depth	32 mm

- low intrinsic energy requirement
- automatic detection of DALI/DSI devices
- remote control with KNX radio hand-held transmitters in combination with KNX radio buttons/KNX radio wall-transmitters
- switch-on brightness level can be stored safe after power failure
- supplies the system voltage for additional DALI users when connected to mains voltage
- automatic selection of operating mode (active/passive)
- with extension unit input for push-button (NO contact)
- for switching and controlling electr. ballasts and Tronic transformer with DALI interface
- with electronic short-circuit and overload protection
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Not suitable for combining with other DALI systems.

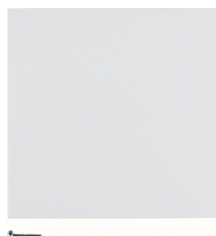
Available from April 2015

DALI Bus communication in Broadcast mode according to IEC 62386-102

SUITABLE FOR	ORDER NO.	PAGE
Button 1gang	8514 11 ..	1
KNX radio button 1gang quicklink	8514 51 ..	2
KNX radio button 4gang quicklink	8564 81 ..	3

DESIGN	ORDER NO.	PU
DALI/DSI control insert	★ 8542 17 00	1

Buttons for switches/dimmers



Button 1gang

Operating voltage	via insert
Operating temperature	-5 ... +45 °C

- low intrinsic energy requirement
- with 2-push-buttons operation concept
- switch-on brightness level for use on dimmer insert, power failure proof, storable
- with anti-dismantling protection

SUITABLE FOR	ORDER NO.	PAGE
DALI/DSI control insert	8542 17 00	1



DESIGN	ORDER NO.	PU
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Berker S.1/B.3/B.7

white glossy	8514 11 82	1
polar white glossy	8514 11 89	1
polar white matt	8514 11 88	1
anthracite matt, lacquered	8514 11 85	1
aluminium matt, lacquered	8514 11 83	1

Berker Q.1/Q.3

Button 1gang	8514 11 29	1
anthracite velvety, lacquered	8514 11 26	1

Berker K.1/K.5

polar white glossy	8514 11 79	1
anthracite matt, lacquered	8514 11 75	1
aluminium, matt, lacquered	8514 11 77	1
stainless steel matt, lacquered	8514 11 73	1

Berker R.1/R.3

polar white glossy ¹⁾	8514 11 39	1
black glossy ¹⁾	8514 11 31	1

¹⁾ no dismantling protection possible

KNX radio buttons for switches/dimmers



KNX radio button 1gang quicklink

Number of radio channels	2	■ low intrinsic energy requirement
Radio protocol	KNX Radio	■ top and bottom operating area on 1gang switching/dimming inserts and network insert are freely configurable
Number of quicklink links	max. 20 transmitter/receiver	■ toolless quicklink configuration using buttons and LED display
Radio transmission/reception frequency	868.3 MHz	■ configurable transmission and/or reception behaviour
Radio transmission power	< 10 mW	■ reset function (to factory setting)
Radio transmission range (free field)	max. 100 m	■ quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
Radio transmission range (building)	max. 30 m	■ integration in the KNX radio/TP gateway, surface-mounted, into the KNX TP system
Transmitter duty cycle	1 %	■ ETS additional functions: +6 scenes, 1 button control up/down, operating mode on/off, dimming value, brightness display, push-button, status display, forced control
Receiver category	2	■ scene saving lockable
Operating temperature	-5 ... +45 °C	■ operating areas configurable as one or two-area operation

For manual actuation or remote control via KNX radio.		
	SUITABLE FOR	ORDER NO.
	DALI/DSI control insert	8542 17 00 ..

DESIGN	ORDER NO.	PAGE
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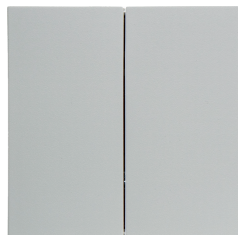
Berker S.1/B.3/B.7		
white glossy	8514 51 82	1
polar white glossy	8514 51 89	1
polar white matt	8514 51 88	1
anthracite matt	8514 51 85	1
aluminium, matt, lacquered	8514 51 83	1
Berker Q.1/Q.3		
polar white velvety	8514 51 29	1
anthracite velvety, lacquered	8514 51 26	1

Berker K.1/K.5		
polar white glossy	8514 51 79	1
anthracite matt, lacquered	8514 51 75	1
aluminium, matt, lacquered	8514 51 77	1
stainless steel matt, lacquered	8514 51 73	1

Berker R.1/R.3		
polar white glossy ¹⁾	8514 51 39	1
black glossy ¹⁾	8514 51 31	1



¹⁾ no dismantling protection possible



KNX radio button 4gang quicklink

Number of radio channels	4
Radio protocol	KNX Radio
Number of quicklink links	max. 20 transmitter/receiver
Radio transmission/reception frequency	868.3 MHz
Radio transmission power	< 10 mW
Radio transmission range (free field)	max. 100 m
Radio transmission range (building)	max. 30 m
Transmitter duty cycle	1 %
Receiver category	2
Operating temperature	-5 ... +45 °C

For manual actuation or remote control via KNX radio.
Extended operating options on 1gang inserts through 2 additional, freely-configurable radio channels.

- low intrinsic energy requirement
- toolless quicklink configuration using buttons and LED display
- Functions for the push-button operation areas up/down or left/right can be freely configured as receiver for controlling the connected load and as transmitter for remote control of a blind, for example
- configurable transmission and/or reception behaviour
- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX radio/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, 1 button control up/down, operating mode on/off, dimming value, brightness display, push-button, status display, forced control
- scene saving lockable
- operating areas configurable as one or two-area operation
- LED application module/insert compatibility display
- with configuration and function LEDs
- switch-on brightness level for each operating area on configuration with dimmer insert, power failure proof, storable
- with configuration and function button
- with anti-dismantling protection

SUITABLE FOR	ORDER NO.	PAGE
DALI/DSI control insert	8542 17 00 ..	1

DESIGN	ORDER NO.	PU
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Berker S.1/B.3/B.7

white glossy	8564 81 82	1
polar white glossy	8564 81 89	1
polar white matt	8564 81 88	1
anthracite matt	8564 81 85	1
aluminium, matt, lacquered	8564 81 83	1

Berker Q.1/Q.3

polar white velvety	8564 81 29	1
anthracite velvety, lacquered	8564 81 26	1

Berker K.1/K.5

polar white glossy	8564 81 79	1
anthracite matt, lacquered	8564 81 75	1
aluminium, matt, lacquered	8564 81 77	1
stainless steel matt, lacquered	8564 81 73	1

Berker R.1/R.3

polar white glossy ¹⁾	8564 81 39	1
black glossy ¹⁾	8564 81 31	1



¹⁾ no dismantling protection possible