

UNIVERSAL POWER BOOSTER RMD PLUS AND UNIVERSAL TOUCH DIMMER RMD PLUS



PRODUCT INFORMATION

B.

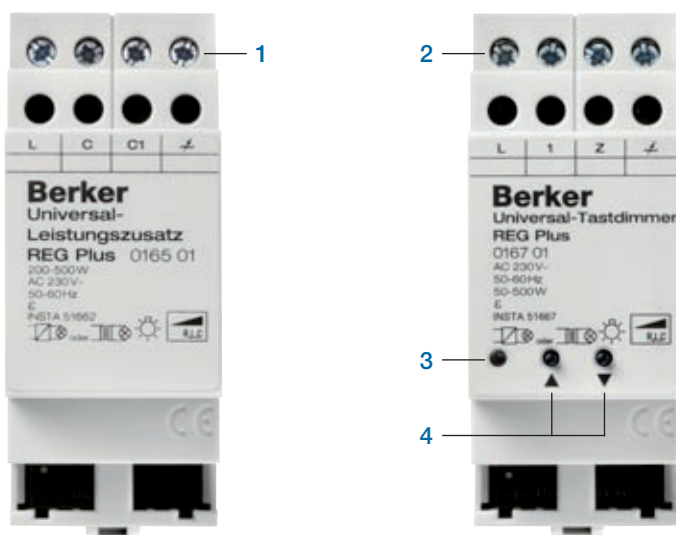
Berker the right way.

A POWERFUL TANDEM ...

Facilities such as auditoriums, restaurants, indoor arenas or conference centres require a lot of light. And naturally the brightness of the lighting has to be adjustable depending on how the facility is being used. At the same time one has to keep in mind that such applications generally involve the switching and/or dimming of very high loads.

To meet such challenges even more easily and conveniently in the future, Berker has upgraded its conventional RMD components. This new high-powered subdistribution "duo"

- is all-purpose,
- makes possible considerable expansion of lighting systems,
- is easy to connect,
- requires very little space on the top-hat rail,
- is rugged during the application and
- hardly leaves anything to be desired in its operation.



LEGEND FOR ILLUSTRATIONS

1. Connection terminals for:
power cable (L)
dimmer connected upstream (C)
downstream, additional power
booster or load (C1)
load (↗)
2. Connection terminals for:
power cable (L)
extension unit (1)
central extension unit (Z)
load (↗)
3. LED for switching state (ON/OFF)
4. Integrated push-buttons
press briefly: switches on/off
press longer: dims brighter/darker

UNIVERSAL POWER BOOSTER RMD PLUS

Order no.: 0165 01

UNIVERSAL TOUCH DIMMER RMD PLUS

Order no.: 0167 01

... FOR HIGH POWER

UNIVERSAL AND EXPANDABLE

When a dimmer is connected upstream of a lighting system, it generally limits the system's connected load. This load limit can be expanded (up to 10 x 500 W/5 x 420 VA) using the new universal power booster RMD Plus.

It hardly matters which dimmer is installed, because the universal power booster RMD Plus is universally combinable with practically all common tronic and universal dimmers from Berker (see table).

Moreover, the new power booster, just like its new "tandem partner", the universal touch dimmer RMD Plus, can automatically adjust itself to the load that is connected.

SIMPLE AND COMPACT

The connected loads are supplied via a common lead, thus appreciably reducing the amount of wiring work required (the power cables for the dimmer and power booster are connected in parallel).

What is more, with their two modules (instead of 4 modules previously) both of the modular units fit on the top-hat rail in the distribution box.

CONVENIENT AND SAFE

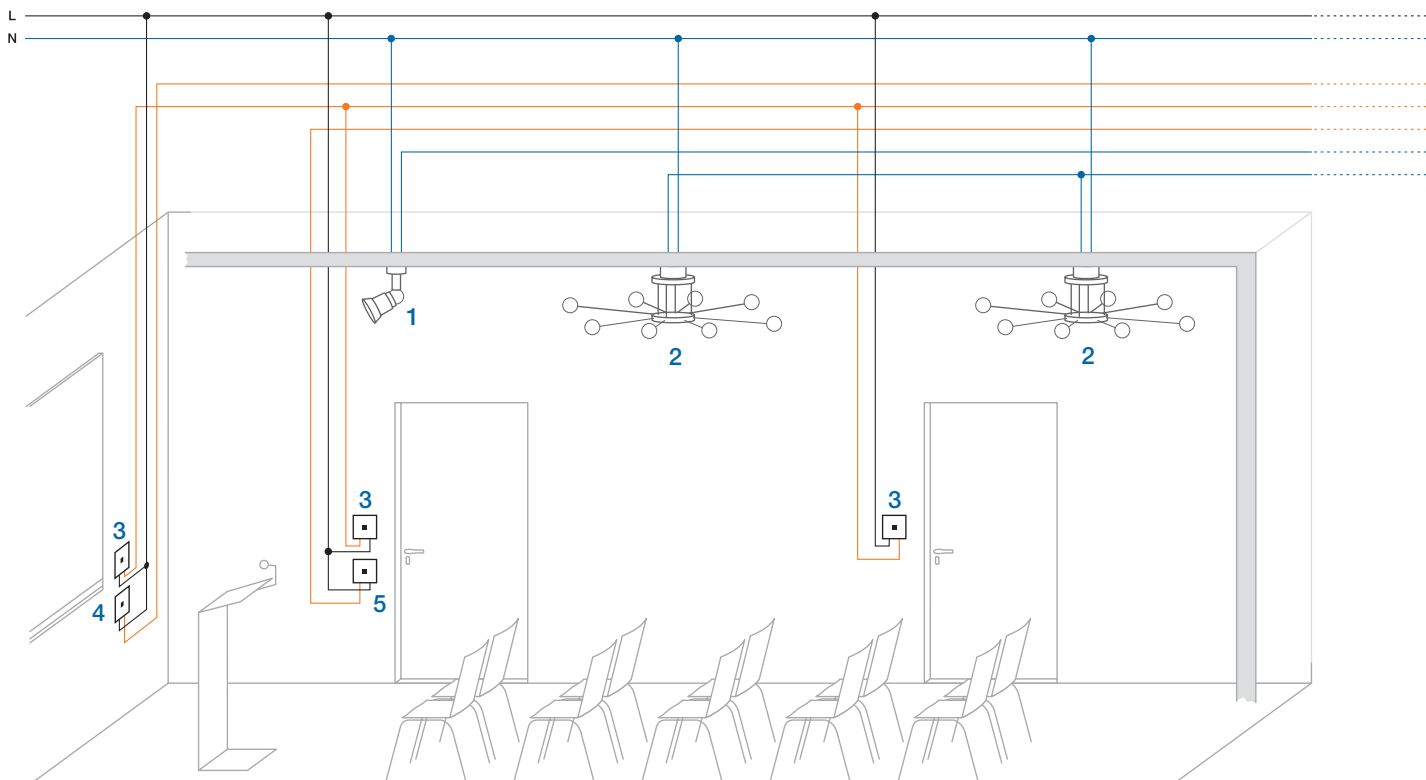
The universal power booster RMD Plus does not have to be operated separately, because it is controlled exclusively via the dimmer connected upstream.

The universal touch dimmer RMD Plus is particularly interesting thanks to a number of additional functions. It is able to save the brightness level permanently – even in the event of a power failure. A central extension unit (e.g. a BLC extension unit) can be used to control a number of lights at the same time, each of which is connected separately via a dimmer, and even to dim them simultaneously (when connected via the master input terminal Z).

Moreover, both of the new components have short-circuit and overload protection safety features – which are completely maintenance-free (restarting/reactivation after a cut-off without having to change the fuse).

CONNECTION DETAILS

		Operation in phase cut-off		Operation in phase cut-on	
Berker dimmers		max. number of power boosters	Connected load per power booster	max. number of power boosters	Connected load per power booster
Home electronics	BLC universal touch dimmer Order no. 2902	10	500 W	5	420 VA
	Universal rotary dimmer with extension unit Order nos. 2861 10 and 2834 xx	10	500 W	5	420 VA
	Tronic rotary dimmer with soft latching Order no. 2874	10	500 W	–	–
	Universal touch dimmer RMD Plus Order no. 0167 01	10	500 W	5	420 VA
	Tronic touch dimmer built-in Order no. 2943	10	400 W	–	–
Radio bus	Radio universal dimmer RMD Order no. 9455 01 00	10	500 W	5	420 VA
	Radio universal dimmer built-in Order no. 0181	10	500 W	5	300 VA
KNX/EIB	Universal dim actuator, 1gang 50–500 W/VA RMD Order no. 7531 10 07	10	500 W	5	420 VA
	Universal dim actuator, 2gang 2 x 300 W/VA RMD Order no. 7531 20 07	10 (per channel)	500 W (per channel)	5 (per channel)	2gang: 250 VA 1gang: 350 VA
	Universal dim actuator, 4gang 20–210 W/VA RMD Order no. 7531 40 17	10 (per channel)	500 W (per channel)	–	–



Wiring example in the application area (auditorium)

TECHNICAL DATA

GENERAL

Rated voltage:	230 V~, 50/60 Hz
Rated power dissipation:	5 W
Power cable length:	overall max. 100 m
Connection terminals:	max. 4.0 mm ²
Ambient temperature:	0 to 45 °C (above 45 °C the power drops by 15% per 5 °C)
Protection class:	IP20
Radio interference suppression:	in acc. with EN 55015
Dimensions (W x H x D):	36 x 90 x 70 mm, 2 modules

UNIVERSAL POWER BOOSTER RMD PLUS

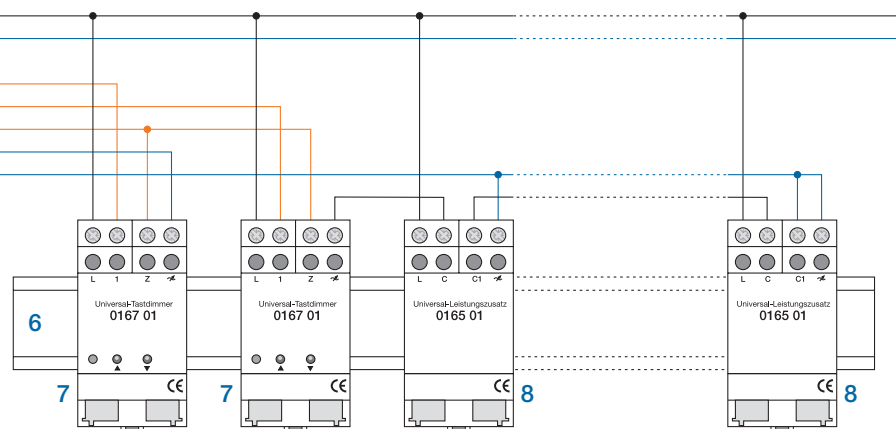
Connected load:

230 V incandescent lamps, HV halogen lamps:	ohmic load, phase cut- off , 200 to 500 W
Tronic transformers:	capacitive load, phase cut- off , 200 to 500 W
Conventional transformers:	inductive load, phase cut- on , 200 to 420 VA

UNIVERSAL TOUCH DIMMER RMD PLUS

Connected load:

230 V incandescent lamps, HV halogen lamps:	ohmic load, phase cut- off , 50 to 500 W
Tronic transformers:	capacitive load, phase cut- off , 50 to 500 W
Conventional transformers:	inductive load, phase cut- on , 50 to 500 VA
Number of universal power boosters:	max. 10 (R-load, C-load), max. 5 (R-load, L-load), see table
Extension unit cable length:	overall max. 100 m
Number of extension units:	unlimited (BLC extension unit or mechanical push-button), use BLC extension unit for master operation control



LEGEND FOR APPLICATION EXAMPLE

- | | |
|---|--|
| 1. Spotlight (under 500 W) | 5. Master extension unit
(BLC extension unit or push button/no contact) |
| 2. Auditorium lighting (total over 1000 W) | 6. Top-hat rail |
| 3. Local extension unit for auditorium lighting
(BLC extension unit or push button/no contact) | 7. Universal touch dimmer RMD Plus |
| 4. Local extension unit for spotlight
(BLC extension unit or push button/no contact) | 8. Universal power booster RMD Plus |

Wiring example in the distribution box

BERKER – THE RIGHT WAY.

Do you know how to design rooms with exceptional ease and with a more individual style?
At Berker we have been working on that since 1919 – and we have found some highly attractive answers.

Berker switches and systems are in use all over the world, making life more beautiful, easier and more comfortable. We place the utmost emphasis on quality, design and innovation. This is confirmed by the numerous awards we have received both at home and abroad.

Berker is a leading supplier of high-quality electrical installations – from timelessly classic switch design through to intelligent building management systems. All new developments are created with just one thing in mind: the satisfaction of our customers. After all, we want you to feel at home with our products for decades to come.

Don't just let your life be guided by taste, but also by state-of-the-art technology,
with Berker - the right way.



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