

## LM-BV

### Bus power supply 100, control cabinet

Art. no. 20975247

Power supply of LUXMATE bus line with max. 100 LUXMATE devices

#### Application

The LM-BV switch cabinet device is used as bus power supply for a LUXMATE unit, or a bus domain with max. 100 LUXMATE devices.

#### Design notes

- To prevent damage to the LUXMATE devices, LM-BV bus power supplies must never be operated in parallel on the bus.
- If you wish to operate more than 100 devices, install more than one bus domain with separate LM-BV bus power supply systems, which are then linked through LM-BK bus couplers. For smaller bus domains, use the LM-BVS35 (max. 35 LM modules) is available (art. no. 22 115 026).

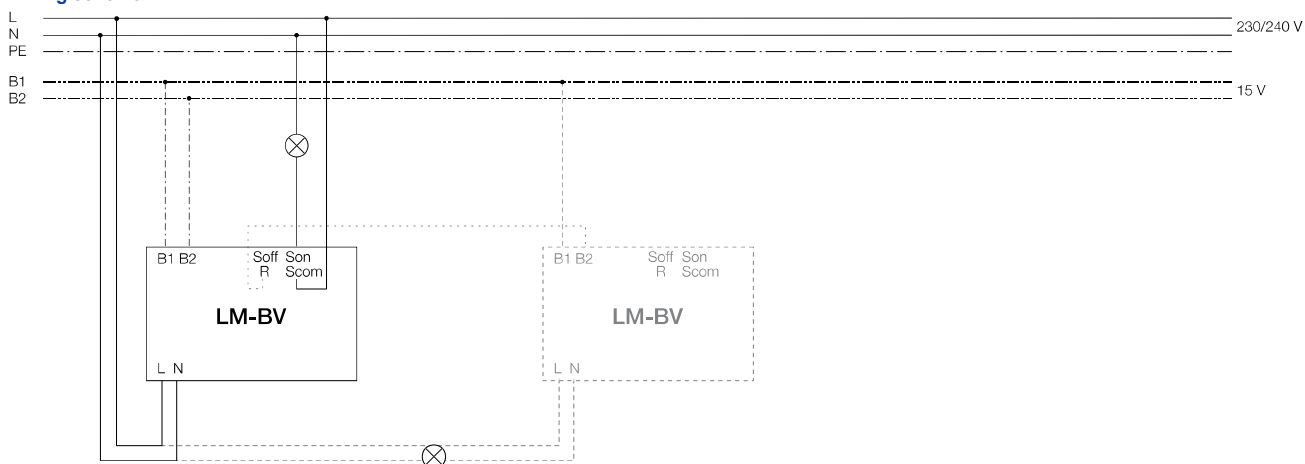


#### Functional description

The LM-BV bus power supply provides the LUXMATE bus with 15V DC and guarantees the information flow in the LUXMATE system. The operating status and activities on the bus are visualized via LED.

The LM-BV bus power supply can be daisy-chained as many times as is required. A second LM-BV connected in series with a failed LM-BV will automatically maintain the supply to the bus system. Display of functions can be achieved by connecting a signalling lamp.

## Wiring scheme



Signallampe für Meldekontakt  
Indicator light for signalling contact  
Voyant lumineux pour contact de signalisation  
Indicatore luminoso per contatto di segnale  
Indicador luminoso para contacto de aviso  
Verklikkerlamp voor meldcontact



Redundantleitung  
Redundant line  
Ligne redondante  
Linea ridondante  
Linea redundante  
Redundantieleiding

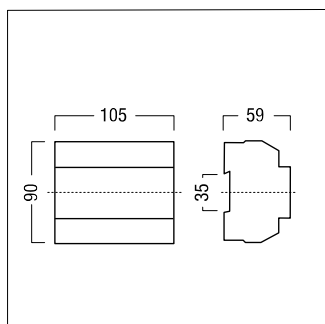
## Mounting and installation instructions

- The bus power supply is installed in switch and distribution cabinets.
- Up to 100 LUXMATE devices can be connected to a bus power supply. Such devices include box devices, e.g. LM-SDSD 4x. Multiple devices such as LM-3DSIS or LM-2JSMX count however as devices!

## Technical data

Nominal voltage	230/240 V AC, 50/60 Hz
Permitted input voltage	207 ... 253 V AC, 50 ... 60 Hz
Power loss	< 6 W
Outputs	1 LM output (B1/B2) for max. 100 LM bus loads 1 signal contact (Son/Scom) 1 negated signal contact (Soff/Scom)
Inputs	1 redundant input (R)
Terminals	0.75 – 2.5 mm <sup>2</sup> (fine stranded with ferrules/single-wire)
Protection type	IP20
Protection class	Class II
Housing material	polycarbonate, halogen-free, flame retardant
Installation	On 35 mm top-hat rail according to EN 50022
Dimensions	6 units at 17,5 mm 105 x 90 x 59 mm
Permitted ambient temperature	0 °C ... +50 °C
Weight	Approx. 0.35 kg

## Dimension



## Label/connections

