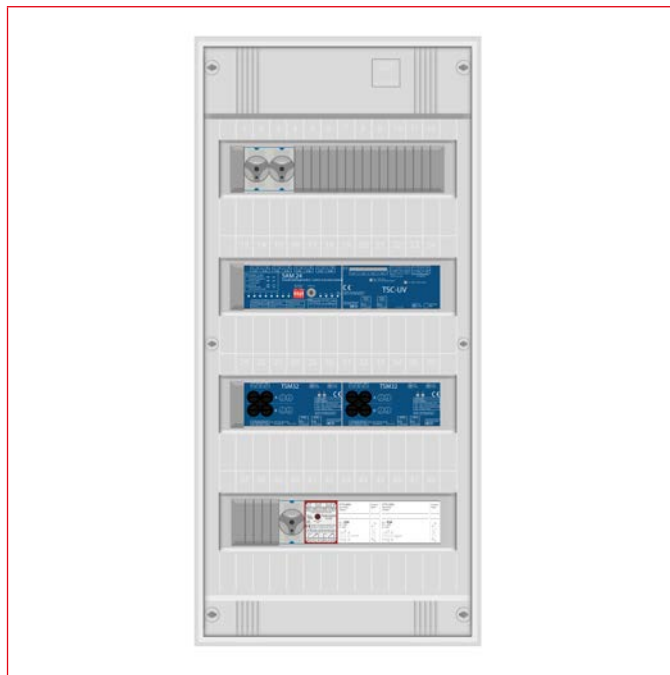


## Sub-Distribution - Feed-in Technology MCUV-E for MaxiControl and MultiControl



Mobil Code

NLMCUV...



NLTSCUV



NLTSM32

### Schrack-Info

The MCUV-E represents the latest series of sub-distributions for type MaxiControl or MultiControl devices. It provides the possibility to install individual circuit modules (top rail module TSM32) of the MaxiControl or MultiControl externally in a separate box. This saves cable length and other installation material when larger objects are involved.

Power is supplied via feed-in using an AC/DC changeover in the Maxi/MultiControl main unit. This means that AC voltage is supplied to the MCUV-E as long as the main unit itself operates in mains mode. In the event of mains failure or during test runs DC voltage is supplied to the MCUV-E. As opposed to conventional systems with two supply wires (AC and DC line) only one supply line (AC/DC wire) is required, which again helps saving installation material. Each sub-distribution is equipped with 4 separate CCIF, which makes it possible to monitor 4 closed current loops individually on each MCUV-E.

Another option for power supply is a feed-in from a local general lighting distribution enclosure. This makes it possible to provide the power supply separately for each tenant with respect to the luminaires connected to the MCUV-E. In the non-maintained mode of the system the luminaires' power supply is provided by the feed-in from the local general lighting distribution enclosure. Only in the event of voltage failure from the general lighting distribution enclosure or during forced emergency or test operation controlled by the main unit the luminaires are supplied with power by the feed-in from the main unit.

The integrated top rail controller - TSC-UV - is the control and switching module of the MCUV-E sub-distribution. It monitors up to 4 closed current loops and the optional power supply from the general lighting distribution enclosure and switches the TSM32 installed in the MCUV-E to the desired operating states.

The top rail circuit module - TSM32 - is a circuit module for emergency and safety lighting systems of the Maxi/MultiControl system. Power supply to the TSM32's circuits is provided via an AC/DC CO switch integrated in the main unit. Each circuit module feeds and monitors two circuits with a maximum of 20 safety and/or exit sign luminaires each.

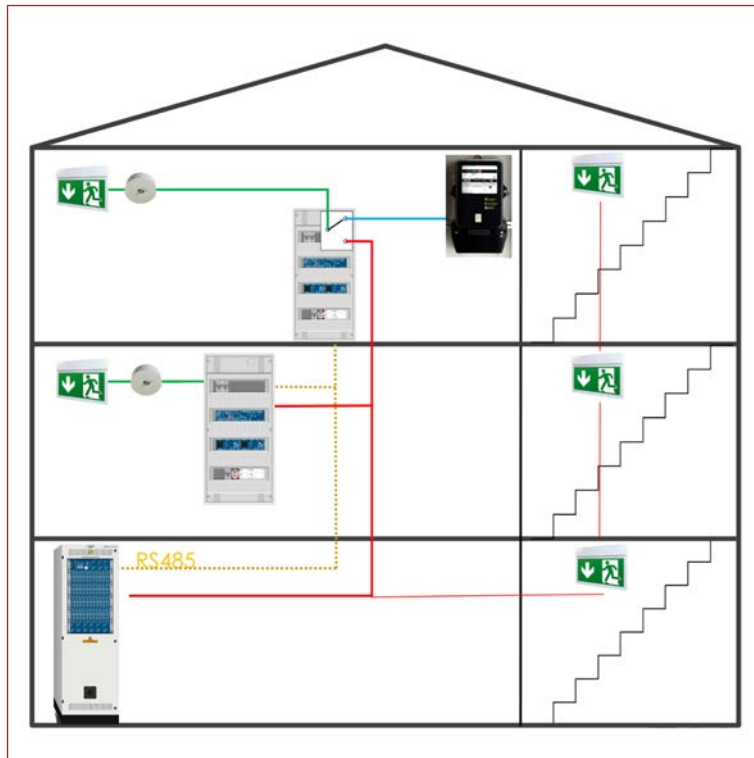
## Sub-Distribution - Feed-in Technology MCVU-E for MaxiControl and MultiControl

The circuit module can individually address the luminaires and performs a self-calibrating current monitoring. The combined operation of safety and exit sign luminaires in the same circuit with the switching types non-maintained, maintained and switched maintained lighting is possible without needing a separate data cable.

Both circuits of the TSM32 can be switched using switching commands from a SAM switch monitoring module. The following switching modes are available: maintained lighting (M), modified non-maintained lighting (NM), and switched modified non-maintained lighting (sNM).

The circuit modules are connected to the CPS system via RS458 bus. All programming is done on the central computer for each circuit separately. Each circuit is fused at the front of the circuit module with 5 AT.

## Sub-Distribution - Operation With or Without Local Feed-In

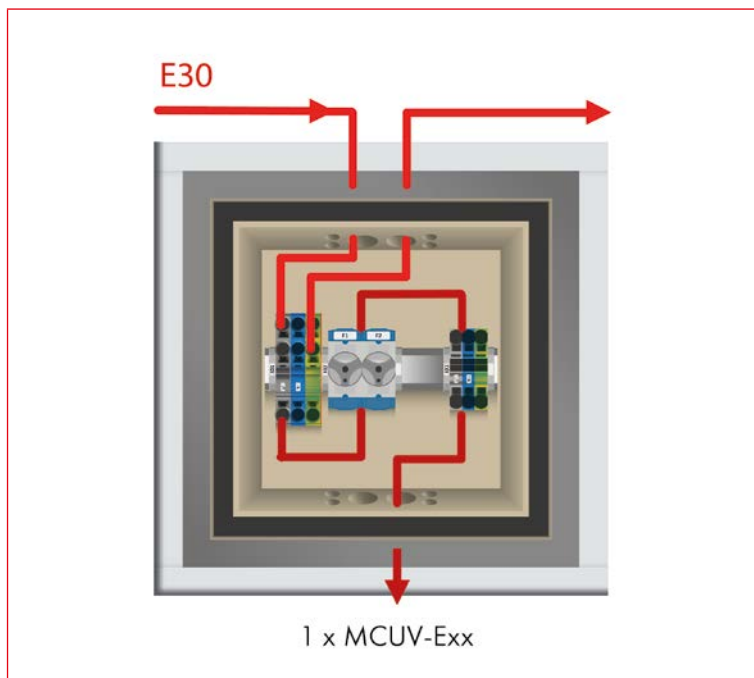


Example for operation with local feed-in

Example for operation without local feed-in

Power supply AC/ DC

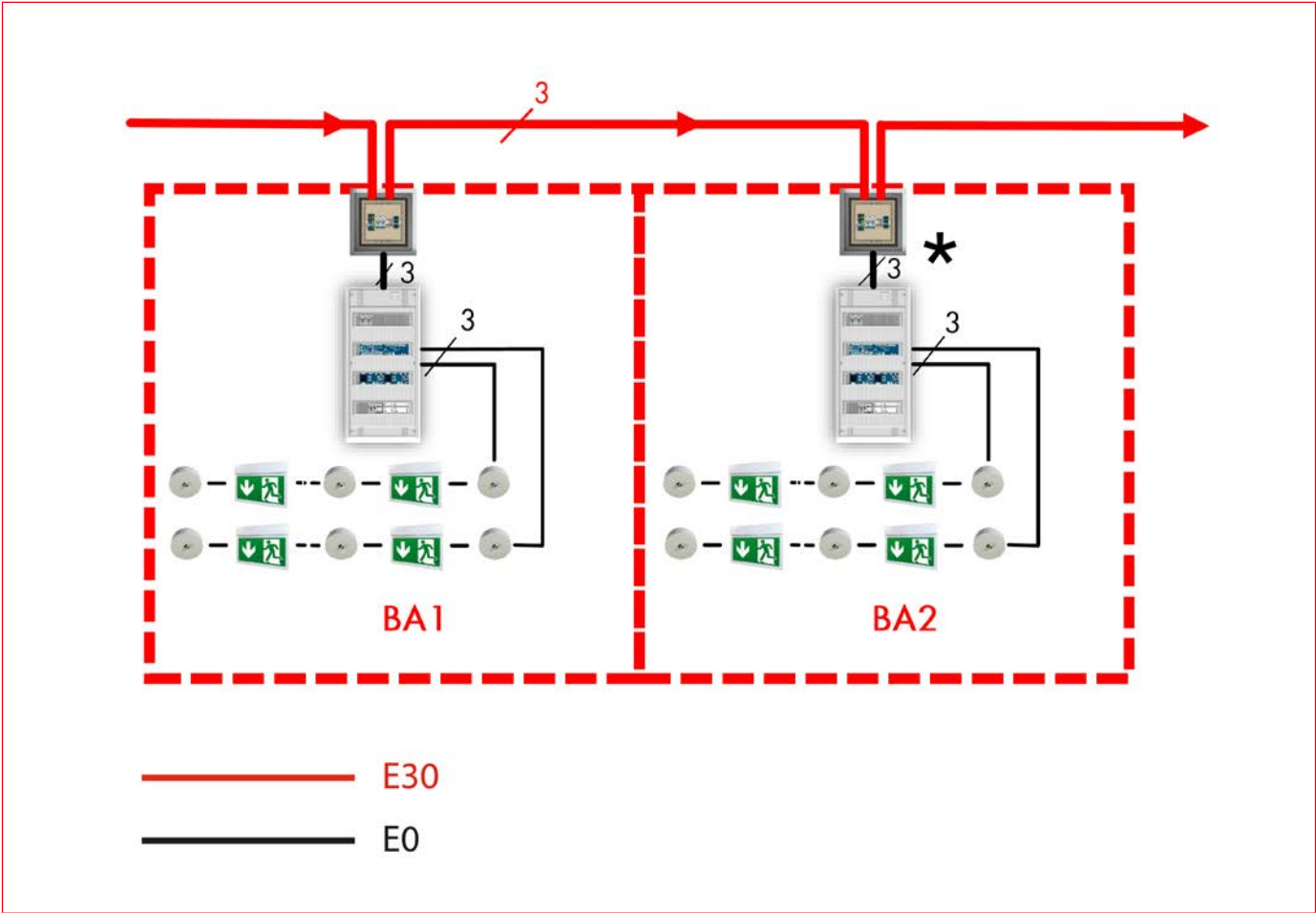
## E30 Cable Branch Box NLAKE3016



## Technical Data NLAKE3016

Dimensions:	314x314x168 mm
Fusing:	2 x Neozed D 02 / 25 A
Terminal cross-sections:	Max. 16 mm <sup>2</sup>
Max. power rating (AC/DC):	4300 VA / 4000 W

- Sub-Distribution - Feed-in Technology MCVU-E for MaxiControl and MultiControl
- Installation with Function Preservation E30: Cable Branch Box NLAKE3016 (BA1 & BA2 each max. 1600 m²)



\* Cable without maintenance of circuit integrity Nym

DESCRIPTION	AVAILABLE	ORDER NO.
<b>Sub-Distributions</b>		
subdistribution, TSC-UV, 1xTSM32, switch query module (SAM), IP20, 3 rows, 515x305x99mm (h x w x d)		NLMCUV02S
subdistribution, TSC-UV, 2xTSM32, switch query module (SAM), IP20, 3 rows, 515x305x99mm (h x w x d)		NLMCUV04S
subdistribution, TSC-UV, 3xTSM32, switch query module (SAM), IP20, 4 rows, 640x305x99mm (h x w x d)		NLMCUV06S
subdistribution, TSC-UV, 4xTSM32, switch query module (SAM), IP20, 4 rows, 640x305x99mm (h x w x d)		NLMCUV08S
subdistribution, TSC-UV, 5xTSM32, switch query module (SAM), IP20, 5 rows, 800x300x165mm (h x w x d)		NLMCUV10S
subdistribution, TSC-UV, 6xTSM32, switch query module (SAM), IP20, 5 rows, 800x300x165mm (h x w x d)		NLMCUV12S
<b>Accessories</b>		
Controler for NLMCUVXX including 4 x CCIF, contactor control and monitoring, for din rail mounting		NLTSCUV
Electric circuit module 2 circuits 3A (T5A), with combined switching mode DS/BS/Gds, for din rail mounting		NLTSM32
E30 cable with 16mm² through clamps, max. 4kW, 314x314x168mm (HxBxT)		NLAKE30-16