TM-CB M3 7 Ah ANTHRACITE MAIN STATION
TM-CM.0300712DA

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No: 3326 | No: 5251/2024 Valid until: 20.12.2028 | No: 3326 | No: 3326 | No: 063-UWB-0591 Valid until: 20.12.2028 | No: CBM-01/24



Producer	**TM TECHNOLOGIE**
Application	**central battery**
Colour/Colour - RAL	**anthracite , RAL7016**
Appliance classes	**I**
Protection degree	**IP30**
Warranty (body, electronics)	**60 months**
Net dimensions **L x W x H** [±2 mm]	**480 mm x 196 mm x 972 mm**

TM-CB M central battery system
modern design, advanced electronics

Power supply, control and monitoring of circuits and emergncy luminaires of evacuation lighting in public utility buildings.

» central supervision of all circuts and emergency luminaires connected to the system
» system equipped with batteries that provide the appropriate amount of energy needed for a specific time of operation of emergency luminaires
» intelligent monitoring systems that provide information on the condition of batteries, luminaires, and possible faults
» various system configurations, which can be adapted to the individual needs of the building, its size and specific requirements for emergency lighting.

POSSIBILITIES

Software included	**Visual Base**
Maximum number of emergency fittings in the system	**240 pcs.**
Maximum number of emergency fittings per circuit and channel	**20 pcs.**
Maximum number of substations and signal distributors	**1 pcs.**
Maximum distance between control panel and luminaire	**300 m**
*Maximum distance between control panel and luminaire using the repeater function	**1000 m**
I/O module using possibility	**yes**
Allowed topology	**parallel connection, star connection**
Maximum luminares power |CB 1h	**960 W**
Maximum luminares power |CB 2h	**500 W**
Maximum luminares power |CB 3h	**380 W**
Maximum luminares power |CB 8h	**170 W**

TELECOMMUNICATION CABLES

Telecommunication cables with appropriate fire classification and circuit integrity in case of fire (if applicable)

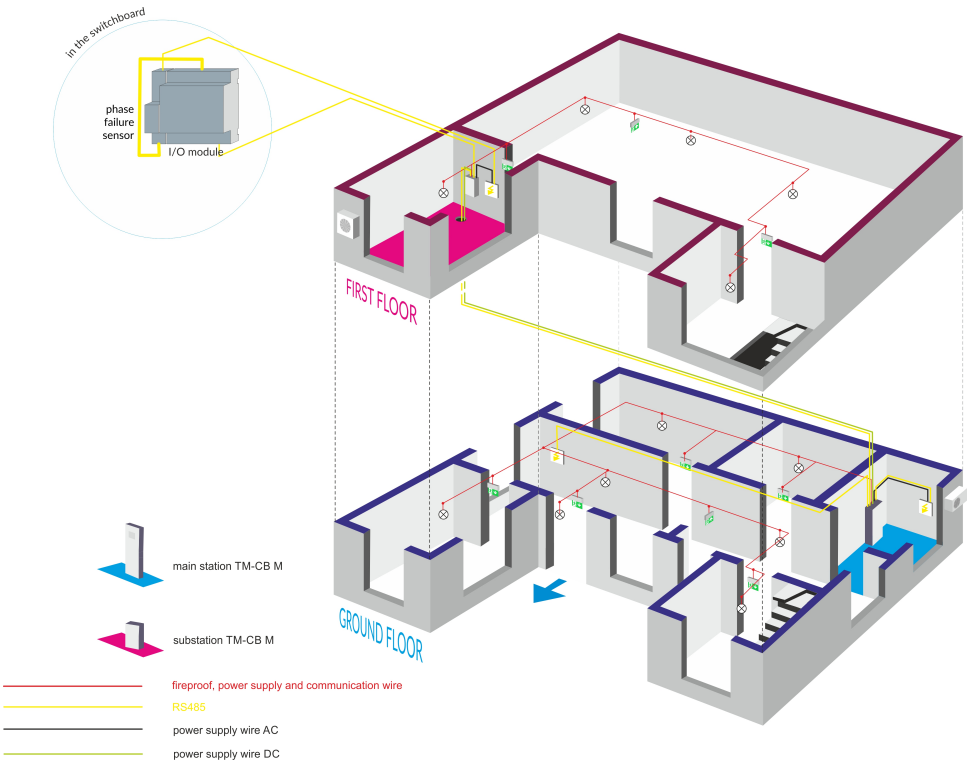
Control panel - substation|subdistribution|signal distributor cable	**1 x 2 x 0,8 mm²**
Maximum length of communication cable	**1000 m**
Maximum resistance	**75 Ω**
Maximum conductor capacitance	**140 nF/km**

POWER CABLES

Power cables with appropriate fire classification and circuit integrity in case of fire (if applicable)

AC power cable cross section	**3 x 2,5 - 6,0 mm²**
Type and cross section of luminaires power cable	**3 x 0,5 - 4,0 mm²**
Communication protocol	**TCP IP/MODBUS, RS485, PLC, USB**

TOPOLOGY



TM-CB M SUB PR12 ANTHRACITE
TM-CM.1200012DA



Sub-distribution TM-CB M PR12

The sub-distribution board enables the system to be extended by another 12 circuits.

» number of circuits: 12
» maximum number of luminaires on one circle: 20
» colour: anthracite

TM-CB M SUB PR20 ANTHRACITE
TM-CM.2000020DA



Sub-distribution TM-CB M PR20

The sub-distribution board enables the system to be extended by another 20 circuits.

» number of circuits: 20
» maximum number of luminaires on one circle: 20
» colour: anthracite

TM-CB M CIRCUIT MANAGER 1x6A
TM-MN.CB.KOB002



Circuit manager MCL-H

A device that controls the operation of output circuits. Depending on the operating mode, it switches on the appropriate type of voltage (AC or DC), controls the monitored CBM luminaires, performs DC current measurements and activates the modified mode.

» number of electrical circuits: 1
» maximum load of each circiut: 6 A
» ground fault detection
» internal faut detection

TM-CB M CIRCUIT MANAGER 2x3A
TM-MN.CB.KOB003



Circuit manager MCL-C

A device that controls the operation of output circuits. Depending on the operating mode, it switches on the appropriate type of voltage (AC or DC), controls the monitored CBM luminaires, performs DC current measurements and activates the modified mode.

» number of electrical circuits: 2
» maximum load of each circiut: 3 A
» ground fault detection
» internal faut detection

TM-PROG RFID CB|DATA2|DALI
TM-MN.RFID002



TM-PROG RFID is a programming device used to read and addresses of lighting fittings that are compliant with TM-CB | DATA2 | DATA2 RADIO| DATA3 | DATA3 RADIO | DALI | DALI-2 systems.

» Programming is executed in a wireless mode that provides for operation without connecting lighting fittings to a power supply.
» The programming device has a built-in battery that offers long operating time, and the current consumption is shown on a display.
» The programming device has an ergonomic casing that protects the device against mechanical damage and prevents accidental slipping from the hand.

SET OF VTM CONTROL MODULES
TM-MN.CB02M3



Batteries voltage and temperature measurement

» number of control modules: **18 pcs.**
» compatible with model **TM-CB M3**
» installation: directly on the batteries

AKU AGM 12V 7.0-7.2AH
TM-AAL7A2.UN.B1



BATTERIES | power supply for luminaires included in the system

Battery made in VRLA (AGM) technology, compatible with TM-CB models:

» TM-CB M 2/7-006-01
» TM-CB M 3/7-112-01
» TM-TM-CB L1-48/07 FEL
»TM-TM-CB L1-48/07 SEL

Producer's datasheet:

VISUALSITE
TM-MN.VS001



VisualSite | Emergency Lighting Visualization System

» interface for integration and management of multiple emergency lighting systems,
» supervising, monitoring and managing the status of the central battery equipment,
» accessible via a web browser,
» compatible with models
TM-CB M1|M2|M3|M4|M5|M6|M7|M8|M9|M10.

*Tablet and computer are not included in the product.