# TM-CB M8 55 Ah ANTHRACITE MAIN STATION
# TM-CM.0805520DA

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| | |
|---|---|
| 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] | **1980 mm x 600 mm x 1204 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 | **400 pcs.** |
| Maximum number of emergency fittings per circuit and channel | **20 pcs.** |
| Maximum number of substations and signal distributors | **7 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 | **7480 W** |
| Maximum luminares power \|CB 2h | **3900 W** |
| Maximum luminares power \|CB 3h | **3150 W** |
| Maximum luminares power \|CB 8h | **1410 W** |

### TELECOMMUNICATION CABLES

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

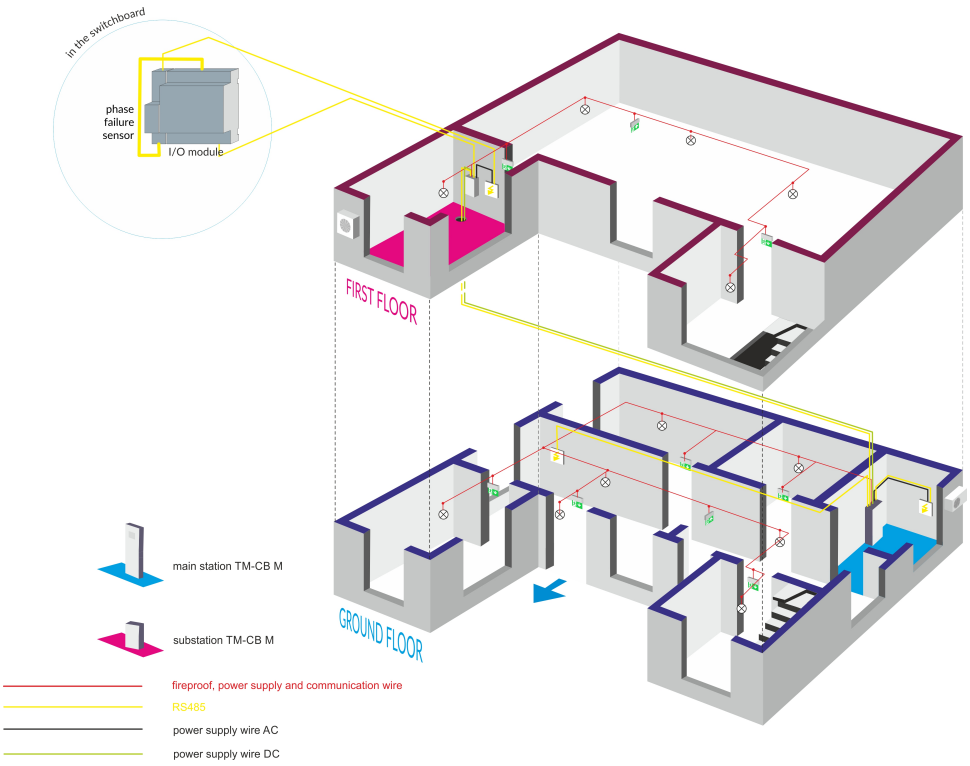
| | |
|---|---|
| Control panel - substation\|subdistribution\|signal distributor cable | **1 x 2 x 0,8 mm²** |
| Maximum length of communication cable | **1000 m** |
| Maximum resistance | **75 Ω** |
| Maximum conductor capacitance | **140 nF/km** |

### 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 - 10 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.

## FUSE SET CB04
## TM-MN.CB04M0



**Sub-distribution extension for TM-CB M8|M9|M10**

The fuse set is used for expanding system with additional sub-distribution panels. One set allows connecting one sub-distribution panel to the main cabinet.

# AKU AGM 12V 55Ah
# TM-A6L055.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 8/55-220-07
» TM-CB M 9/55-220-15
» TM-CB L3-48/55 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.