

# CMC-TC Outdoor Handle for CS Toptec

For l/h door hinge: 7320.725

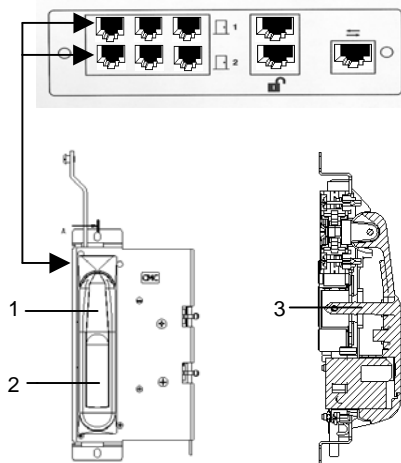
For r/h door hinge: 7320.726

## Note

For clarity, these operating instructions do not contain all detailed information and can also not consider every conceivable installation, operating or maintenance case. We reserve the right to make technical changes without prior notice. In case of discrepancy, the German text applies.

Sensor Unit:

Access Unit 7320.220



## Note:

- The handle may only be used in conjunction with a PU II 7320.100 (hardware V3.01) and as of software version 2.51.

Fig. 1: CMC-TC Outdoor Handle front view and cross-section

- 1 Swivel handle
- 2 Lock cover
- 3 Latching

## Description:

The electromagnetic handles can be connected to the Access Unit 7320.220 (maximum two units). The handle performs the function of a door latching (interlocking of handle and lock cover) and an interlocking monitoring (position of the semi-cylinder). In addition, an access sensor on the associated door must be fastened to each handle. The handle can be released using the CMC-TC system in the network or optional supplementary systems, such as the Legic transponder system or a separate floating switch contact (7320.580).

The cover and swivel handle are not interlocked when no power is present (without electrical connection).

### ► Emergency opening

The electrical latching (see Fig.1-3) interlocks the swivel handle (see Fig.1-1) so that it cannot be folded out and turned. The swivel handle cannot be operated when it is in the interlocked state.

In addition, an ASSA semi-cylinder, 43.8 mm overall length, or a semi-cylinder in accordance with DIN 18 254 with 40 mm overall length must be installed. The key provides an additional latching function. To reach the lock, the cover (see Fig.1-2) must first be moved upward and then swivelled out to the side. Together with the handle, the cover is electrically interlocked.

The proximity sensor integrated in the handle monitors the closed state of the semi-cylinder. The electrical handle latching using the CMC Web user interface can be closed only when the proximity sensor has the "closed" status provided by the closed semi-cylinder. This means the door must first be closed mechanically using the key before the electrical door handle interlock closes.

The opening of the door handle using an optional supplementary system (e.g. Legic transponder) operates based on the delay principle. After release of the door handle using the supplementary system, the door handle interlock opens the door. The interlock closes again automatically after 20 seconds. If the semi-cylinder was opened within this time, the interlock does not close until both the handle and the semi-cylinder have been closed again.

**Note:** The 20-seconds delay time is a predefined value that can be changed via the Web interface of the Processing Unit II.

The handle contains an identification so that it can be automatically detected and set up by the CMC-TC system. The operation of the handle requires the following components:

- Processing Unit II (7320.100), as of software version V2.51, with power pack (e.g. 7320.425), country-specific connection cable, programming cable.
- Sensor Unit (7320.220), as of software version V1.1, connection cable (RJ45, Cat5).
- Semi-cylinder, 40 mm overall length, to DIN 18 254.
- Additional holes in the door (refer to the installation instructions drawing).
- Access sensor (7320.530).

### **Operational conditions:**

- The handle may only be used for the Rittal CMC-TC system.
- The operating instructions / safety notes of Processing Unit II or the above-mentioned Sensor Unit must apply.
- The maximum cable length between the Sensor Unit and the handle is 2.5 m. The integrated connection cable must be used for the connection. After consultation with our Support, extension cable 7200.450 can also be used for special applications.
- The cables must be laid separated from mains-power conducting cables.
- The handles may be used only in areas where the specified ambient conditions apply.
- The handle housing must not be opened. It does not contain any parts that need to be maintained.
- Before connection, ensure that the handle is suitable for the device/slot.
- Safety equipment must not be disabled.
- The operation in environments with inflammable gases or vapours is prohibited. Protection from water and dust must be guaranteed by installation in an enclosure/rack so that the rear part lies protected on the enclosure/rack.
- The CMC-TC system must be power-free when the handle is connected with the Sensor Unit.
- The handle must be installed correctly as described in the separate installation instructions.

### **Technical specifications:**

Coil voltage 24 V DC

Coil current consumption 100 mA

Connection cable: length 2.5 m, RJ12 connector

Protection category: IP55 in the installed state (CS Toptec)

Temperature operational range: -30°C to +65°C

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