

Access door panel FR⁽ⁱ⁾ with Magnet card reader

Note:

For reasons of clarity of the presentation, these operating instructions do not contain all information details and also cannot cover every possible case of installation, operation or repair. Technical specifications are subject to change without notice. In case of doubt, the German text prevails.

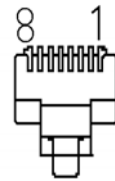
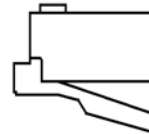
Sensor unit:

Access Unit 7320.220



Pin configuration for connecting cable RJ12 plug handle:

Pin1:	free	
Pin2:	free	
Pin3:	free	
Pin4:	free	
Pin5:	Gnd	Reader
Pin6:	+24V	Reader
Pin7:	SDA	Reader
Pin8:	SCL	Reader



Description:

The readers can be connected to the Access Unit 7320.220 (max. 2). The reader performs the function of a personalised door release. For each reader an interlock system (e.g. electrical handle) and an access sensor must be mounted on the appropriate door. Design adapters can be used for mounting on the Rittal door systems.

Supplied with the reader are 3 magnetic cards. Each card carries a 4-digit code: 1st card:1001, 2nd card:1002, and 3rd card:1003. These codes are released in the basic setting in the CMC-TC system but they can be disabled individually. If a card with a released code is pulled through the reader, the door system is released and can be opened. If an invalid code is entered, the door system remains locked. In either case the code is communicated to the CMC-TC system. The following should be observed when pulling the magnetic strip through the card reader: The narrow side of the reader should be on the right side, the card is pulled through the reader top down and the magnetic strip of the card must always be towards the small side of the reader. The reader is automatically identified and set up by the CMC-TC system. The following components are required for operating the reader:

- Processing unit (7320.100) with mains adapter (e.g., 7320.425), connecting cable complying with local specifications, programming cable.
- Sensor unit (7320.220), connecting lead (RJ45, Cat5).
- Access sensor (7320.530) and interlocking system / electrical handle system

General conditions of use:

- The reader system must only be used together with the Rittal CMC-TC system.
- The operating instructions / safety instructions of the Processing Unit and of the above sensor units apply.
- The maximum cable length between the sensor unit and the reader is 3+2m. The connection must be made with the connecting cable of the supply. Extension cables 7200.450 for special applications are available after consultation with our central office.
- It is absolutely necessary that these cables are installed separately from mains power cables.
- The use of the reader systems are exclusively limited to the specified ambient conditions.
- The enclosure contains no parts that require maintenance. The three DIL switches on the printed-circuit board must always remain at „on“ position; this position must not be changed.
- Before making the connection, check to be sure that the reader for the system can be used with the device / module.
- It is forbidden to render safety equipment ineffective.
- Direct contact of the reader with water (e.g., dew), oil sludge or any aggressive substances is forbidden.
- Use in locations with flammable gas or vapour is forbidden. Protection from water, dust, etc. must be ensured by installation in an enclosure or rack.
- The CMC-TC system must not be live with voltage when the reader is being connected to the sensor unit.
- The sensor must be installed properly as described in the separate installation instructions.

Technical data:

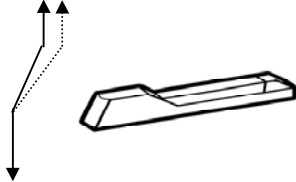
Voltage 24 V DC
 Current consumption 15mA
 Connecting cable: length 3m, RJ45 plug
 Extension cable: length 2m, RJ45/RJ45 plug
 Extension coupler: RJ45/RJ45 socket
 Ambient temperature range: +5°C to +45°C

Card type: magnetic strip card conforming to ISO 7810 et seq.
 Interface: I²C bus
 Input waiting time: 60 sec.
 Read head for magnetic strip track 2
 (for high or low magnetised card types)
 Protection category: IP20

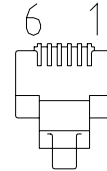
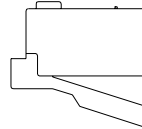


Access door panel FR⁽ⁱ⁾ with Magnet card reader

Sensor unit:

Access Unit 7320.220**Pin configuration for connecting cable RJ12 plug handle:**

Pin1: white	free
Pin2: brown	Gnd
Pin3: green	Code 1
Pin4: yellow	Code 2
Pin5: grey	interlocking coil
Pin6: pink	handle sensor



Description:

The electro-magnetic handles can be connected to the Access Unit 7320.220 (max. 2). The handle functions as a door interlock and grip lever monitor. An access sensor for each handle must be mounted on the controlled door. If the grip lever are closed, the interlock coil integrated in the handle locks automatically. The handle can be released through the CMC-TC system in the network or through optional extra systems, e.g., a chip card reader (7320.750), magnetic card reader (7320.760), number code lock (7320.770) or an individually settable floating switching contact (7320.580).

The handle is locked without electrical connection (zero potential). The push-button can be pressed after electrical connection and opens automatically the lever. The contain semi cylinder must be fit as Master-Key or it is possible to use additionally a semi cylinder 40 or 45mm length, according to DIN 18 254. Opening by key has always priority, i.e. even in the case of electrical interlock or power failure the cabinet can be opened by key. ➤ emergency opening

The handle is assigned a code to ensure that it is identified and set up automatically by the CMC-TC system. The following components are required for operating the handle:

- Processing Unit (7320.100) min. SW V 1.1 with mains adapter (e.g., 7320.425), connecting cable complying with local specifications, programming cable.
- Sensor unit (7320.220) min. SW V 1.1, connecting lead (RJ45, Cat5).
- Access sensor (7320.530)

General conditions of use:

- The handle must only be used together with the Rittal CMC-TC system.
- The operating instructions / safety instructions of the Processing Unit and of the above sensor units apply.
- The maximum cable length between the sensor unit and the handle is 3+2m. The connection must be made with the connecting cable of the supply. Extension cables 7200.450 for special applications are available after consultation with our central office.
- It is absolutely necessary that these cables are installed separately from mains power cables.
- The use of the handles are exclusively limited to the specified ambient conditions.
- It is forbidden to open the handle housing. They do not contain parts requiring maintenance.
- Before making the connection, check to be sure that the handle can be used with the device / module.
- It is forbidden to render safety equipment ineffective.
- Direct contact of the handle with water (e.g., dew), oil sludge or any aggressive substances is forbidden.
- Use in locations with flammable gas or vapour is forbidden. Protection from water, dust, etc. must be ensured by installation in a enclosure or rack.
- The CMC-TC system must not be live with voltage when the handle is being connected to the sensor unit.
- The handle must be installed properly as described in the separate installation instructions.

Technical data:

Coil voltage 24 V DC

Coil current consumption 100 mA

Connecting cable: length 3 m, RJ12 plug

Extension cable: length 2 m, RJ12/RJ12 plug

Coupler for extension: RJ12/RJ12 socket

Temperature range: +5°C to +40°C

Protection category: IP40 by fit condition

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