## DK 7320.700

Ergofom-S handle FR/PS/TC/VR

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.
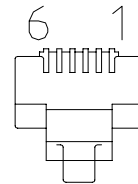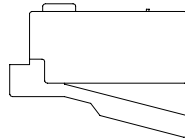
Sensor unit:
Access Unit 7320.220
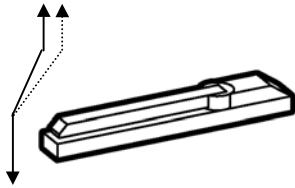
Pin configuration for connecting cable
RJ12 plug handle:
Pin**1**: white   free
Pin**2**: brown   Gnd
Pin**3**: green   Code 1
Pin**4**: yellow   Code 2
Pin**5**: grey   interlocking coil
Pin**6**: pink   handle sensor

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 access sensor and 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).

If the handle is not live with voltage (disconnected electrically), it can be opened any time with the push knob. The push knob can be replaced with a profile half cylinder, 40 or 45 mm total length, complying with DIN 18 254. The handle can never be opened unless an electrical (CMC-TC) and a mechanical release (push knob/cylinder) is obtained simultaneously.

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) with mains adapter (e.g., 7320.425), connecting cable complying with local specifications, programming cable.
- Sensor unit (7320.220), connecting lead (RJ45, Cat5).
- Additional holes in the door (see installation instructions drawing)
- Locking bar for enclosure type PS (7200.371) or enclosure type flexRack FR (7200.372)
- 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 sensor must be installed properly as described in the separate installation instructions.

Technical data:

Coil voltage 24 V DC
Coil current consumption 100mA
Connecting cable: length 3m, RJ12 plug
Extension cable: length 2m, RJ12/RJ12 plug

Coupler for extension: RJ12/RJ12 socket
Temperature range: +5°C to +40°C
Protection category: IP40

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