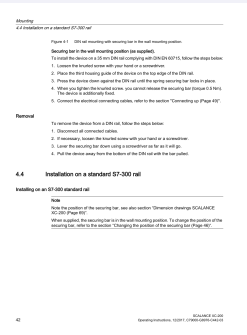


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6GK5216-0BA00-2AC2

SCALANCE XC216 managed Industrial Ethernet switch



PRODUCT	6GK5216-0BA00-2AC2
MOUNTING	DIN rail, S7 rail or wall
SUPPLY	24 V DC redundant input
CLEARANCE	100 mm above and below

01

CONFIRM THE INSTALLATION

Device	SCALANCE XC216
Dimensions	120 × 147 × 125 mm
Environment	-40 to +70 °C, IP20
Power	9.6 to 31.2 V DC
Ports	16 × 10/100 Mbit/s RJ45

02

PREPARATION AND CONNECTION

- Mount vertically with the LED display at the upper left and preserve convection clearances.
- Isolate power before mounting, wiring, grounding or removing the switch.
- Use the documented securing-bar position for the selected rail or wall arrangement.
- Connect protective grounding, redundant 24 V DC inputs and the signaling contact before network cables.
- Verify each RJ45 connection, C-PLUG seating and management configuration before service.

03 DIN AND S7 RAIL MOUNTING

Mounting

4.4 Installation on a standard S7-300 rail

Figure 4-1 DIN rail mounting with securing bar in the wall mounting position.

Securing bar in the wall mounting position (as supplied).

To install the device on a 35 mm DIN rail complying with DIN EN 60715, follow the steps below:

1. Loosen the knurled screw with your hand or a screwdriver.
2. Place the third housing guide of the device on the top edge of the DIN rail.
3. Press the device down against the DIN rail until the spring securing bar locks in place.
4. When you tighten the knurled screw, you cannot release the securing bar (torque 0.5 Nm). The device is additionally fixed.
5. Connect the electrical connecting cables, refer to the section "Connecting up (Page 49)".

Removal

To remove the device from a DIN rail, follow the steps below:

1. Disconnect all connected cables.
2. If necessary, loosen the knurled screw with your hand or a screwdriver.
3. Lever the securing bar down using a screwdriver as far as it will go.
4. Pull the device away from the bottom of the DIN rail with the bar pulled.

4.4 Installation on a standard S7-300 rail

Installing on an S7-300 standard rail

Note

Note the position of the securing bar, see also section "Dimension drawings SCALANCE XC-200 (Page 69)".

When supplied, the securing bar is in the wall mounting position. To change the position of the securing bar, refer to the section "Changing the position of the securing bar (Page 46)".

Mounting

4.5 Installation on a standard S7-1500 rail

4.5 Installation on a standard S7-1500 rail

Installing on an S7-1500 standard rail

Note

Note the position of the securing bar, see also section "Dimension drawings SCALANCE XC-200 (Page 69)".

When supplied, the securing bar is in the wall mounting position. To change the position of the securing bar, refer to the section "Changing the position of the securing bar (Page 46)".

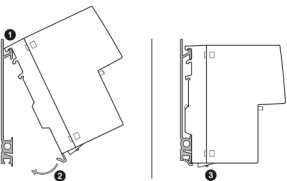


Figure 4-3 S7-1500 mounting rail installation with the securing bar in the wall mounting position.

Securing bar in the wall mounting position (as supplied).

To install the device on an S7-1500 standard rail, follow the steps below:

1. Place the first housing guide of the device on the top edge of the standard rail.
2. Swing the device down towards the back against the mounting rail.
3. Loosen the knurled screw with your hand or a screwdriver. The spring mounted securing bar locks in place.
4. When you tighten the knurled screw, you cannot release the securing bar (torque 0.5 Nm). The device is additionally fixed.
5. Connect the electrical connecting cables, refer to the section "Connecting up (Page 49)".

Removal

To remove the device from a standard rail, follow the steps below:

1. Disconnect all connected cables.
2. If necessary, loosen the knurled screw with your hand or a screwdriver.
3. Lever the securing bar down using a screwdriver as far as it will go.
4. Remove the device from the mounting rail with the bar pulled.

04 WALL MOUNTING AND COMMISSIONING

Mounting
4.6 Wall mounting

4.6 Wall mounting

Preparation

Note the position of the securing bar, see also section "Dimension drawings SCALANCE XC-200 (Page 69)".
When supplied, the securing bar is in the wall mounting position. You do not need to prepare the device any further.
If the securing bar is in the rail mounting position, note the section "Changing the position of the securing bar (Page 46)".

Tools

To mount the device on a wall, you require the following:

- 2 wall plugs
- 2 fillister head screws

Note
Depending on the mounting surface, use suitable fittings.

Assembly

Note
The wall mounting must be capable of supporting at least four times the weight of the device.

To mount the device on a wall, follow the steps below:

1. Prepare the wall mounting with drilled holes and plugs. For the precise dimensions, refer to the section "Dimension drawings (Page 69)".
2. Turn the upper screw in to the wall so that 10 mm remains jutting out.
3. Hang the device with the keyhole hanging mechanism on the rear on the screw.
4. Fix the device to the wall with the lower screw.
5. Connect the electrical connecting cables, refer to the section "Connecting up (Page 49)".

SCALANCE XC-200
Operating Instructions, 12/2017, C79000-G8976-C442-03

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- Confirm the switch is secure and the ventilation path remains unobstructed.
- Check polarity and voltage on both redundant power inputs before energising.
- Confirm fault-contact operation, port link status and diagnostic LED indications.
- Load the controlled network configuration and verify management access.
- Test the required PROFINET, EtherNet/IP, VLAN and redundancy functions before release.

SOURCE ATTRIBUTION

Prepared from Siemens SCALANCE XC-200 Operating Instructions applicable to XC216.