

# Remote Terminal Units

## RTU560 product line – Racks



560MPR01  
1KGT012500R0001

### Description

- Mounting panel for RTU with plug for serial peripheral bus for extension
- Max. 8 slots for peripheral modules
- Max. 2 CMUs (560CMU02/05)

Rack with 9 slots, wall mounted

### Application

The mounting plate rack 560MPR01 accommodates up to 2 communication units (CMU) 560CMU02 or 560CMU05 and up to 8 peripheral modules in a RTU560 substation. One additional (extension) mounting plate rack can be connected to the 560MPR01 via the RTU560 serial peripheral bus (SPS).

### Additional material:

Bus connection unit for 560MPR01



1KGT007900R0001

560BCU02 R0001

- Alarm and warning contacts
- Minute pulse in- and output

Process connector 2-/ 17-/ 19-pole for 560MPR01/03



1KGN000556R2019  
1KGN000556R2017  
1KGN000556R2002

23XS20 R2019

- 19-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR01/03 (one connector per module); 100 pcs per package

23XS20 R2017

- 17-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR01/03 (one connector per module); 100 pcs per package

23XS20 R2002

- 2-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR01/03; 100 pcs per package

Blanking front plate



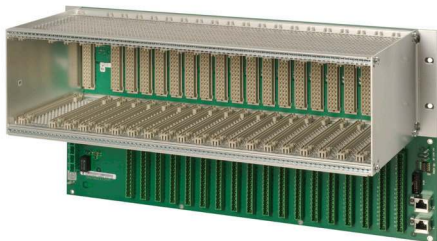
1KGT007700R1002

560FPR01 R1002

- Blanking front plate to cover free slots within a module sub rack (1 slot)
- light beige, plastic, with ABB logo grip
- Incl. screws
- 100 pcs per package

# Remote Terminal Units

## RTU560 product line – Racks



560MPR03  
1KGT022100R0001

### Description

With flexible configuration for I/O, CMU and power supply (23XS20 not included).

### Mounting panel for redundant power supply

#### Application

The 560MPR03 rack is designed to be used with or without redundant power supply. Therefore, it has 2 slots for redundant power supply units (PSU). Up to 18 slots can be used for I/O boards, communication units (CMU) or a mixture of both. It is interfaced to other racks via the RTU560 serial peripheral bus. Up to 7 560MPR03 racks can be connected to an I/O bus segment. By using the bus connection unit 560BCU04, the 560MPR03 becomes a rack with up to 8 communication units (560CMU05/ 560CMU02).

Also for some functions the usage of 560BCU04 is required, even if only one communication unit is inserted The rack 560MPR03 is mounted on a mounting plate in a cubicle. Only in slot 19 the second PSU can be inserted and will be operated. It is not allowed to put in other modules. Slot 18 is available when the option of the second PSU is not used.

#### Additional material:

Bus connection unit for 560MPR03 (Basic, Extension and CAN bus termination)



1KGT022300R0001  
1KGT022300R0002  
1KGT022300R0003

- 560BCU04 R0001 (Basic)
- Alarm and warning contacts
  - Minute pulse in- and output
  - Supervision of redundant power supply
  - For 2 units 560CMU0x (one basic unit, one extension unit)

- 560BCU04 R0002 (Extension)
- Extension kit for 10 additional 560CMU0x, 10 pcs per package

- 560BCU04 R0003 (CAN bus termination)
- Single CMU CAN bus termination only (no alarm and warning contacts, no minute pulse in- and output, no supervision of redundant power supply)

Process-connector 2-/ 17-/ 19-pole for 560MPR03/01



1KGN000556R2019  
1KGN000556R2017  
1KGN000556R2002

- 23XS20 R2019
- 19-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR03/01 (one connector per module); 100 pcs per package
- 23XS20 R2017
- 17-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR03/01 (one connector per module); 100 pcs per package
- 23XS20 R2002
- 2-pole connector with screw-terminals AWG12 for process connections to the I/O modules on 560MPR03/01; 100 pcs per package

Blanking front plate



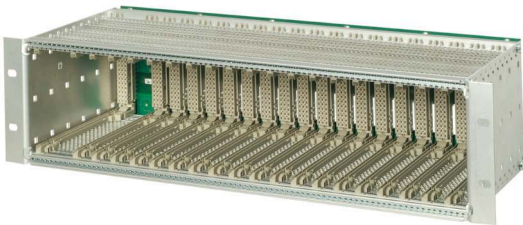
1KGT007700R1002

- 560FPR01 R1002
- Blanking front plate to cover free slots within a module sub rack (1 slot)
  - light beige, plastic, with ABB logo grip
  - Incl. screws
  - 100 pcs per package

# Remote Terminal Units

## RTU560 product line – Racks

3



560SFR02  
1KGT022200R0001

### Description

- With flexible configuration for I/O, CMU and power supply

### 19" Swing frame rack for optional redundant power supply Application

The 560SFR02 rack is designed to be used with or without redundant power supply. Therefore, it has 2 slots for redundant power supply units (PSU). Up to 18 slots can be used for I/O boards, communication units (CMU) or a mixture of both.

It is interfaced to other racks via the RTU560 serial peripheral bus. Up to 7 560SFR02 racks can be connected to an I/O bus segment. By using the bus connection unit 560BCU05, the 560SFR02 becomes a rack with up to 8 communication units (560CMU05/ 560CMU02). Also for some functions the usage of 560BCU05 is required, even if only one CMU is inserted. It is installed in a swing frame cabinet or in a frame.

Only in slot 19 the second PSU can be inserted and will be operated. It is not allowed to put in other modules. Slot 18 is available, when the option of the second PSU is not used.

### Additional material:

Bus connection unit for 560MPR03 (Basic, Extension and CAN bus termination)



1KGT022400R0001  
1KGT022400R0002  
1KGT022400R0003

- 560BCU05 R0001 (Basic)
- Alarm and warning contacts
  - Minute pulse in- and output
  - Supervision of redundant power supply
  - For 2 units 560CMU0x (one basic unit, one extension unit)

- 560BCU05 R0002 (Extension)
- Extension kit for 10 additional 560CMU0x, 10 pcs per package

- 560BCU05 R0003 (CAN bus termination)
- Single CMU CAN bus termination only (no alarm and warning contacts, no minute pulse in- and output, no supervision of redundant power supply)

Process-connector-housing 560SFR02



1KGN000758R3001

- 23XS40 R3001
- 18-pole plug for connectors of 560SFR02 (housing only, without snap-in contacts)
  - 100 pcs per package

Snap-in contacts for 23XS40 R3001







1KGN000758R4001

- 23XS40 R4001
- Snap-in contacts for 23XS40 R3001 (18 contacts per plug required)
  - Suitable for AWG20-AWG26
  - 500 pcs per package

# Remote Terminal Units

## RTU560 product line – Racks

Additional material:

Crimp tool for 23XS40 R4001		23XS41 R0001	– Tool to connect wires to snap-in contacts (23XS40 R4001)
	1KGN000797R0001		
Removal tool for snap-in contacts		23XS42 R0001	– Tool to extract snap-in contacts (23XS40 R4001)
	1KGN000798R0001		
Removal tool for process connector 23XS40 R3001		23XS43 R0001	– Tool to remove connector housing 23XS40 R3001 from subrack 560SFR02
	1KGN000799R0001		
Blanking front plate		560FPR01 R1002	– Blanking front plate to cover free slots within a module sub rack (1 slot) – light beige, plastic, with ABB logo grip – Incl. screws – 100 pcs per package
	1KGT007700R1002		