

2 MODULE RACKS

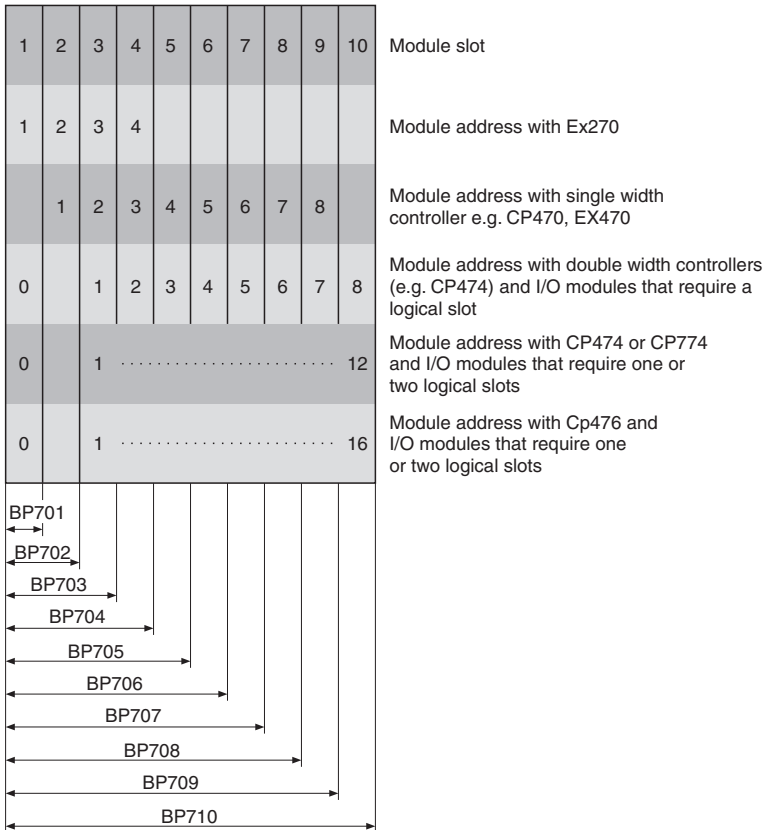
2.1 GENERAL INFORMATION

The module racks for the B&R SYSTEM 2003 are aluminum frames. They are installed on mounting rail.

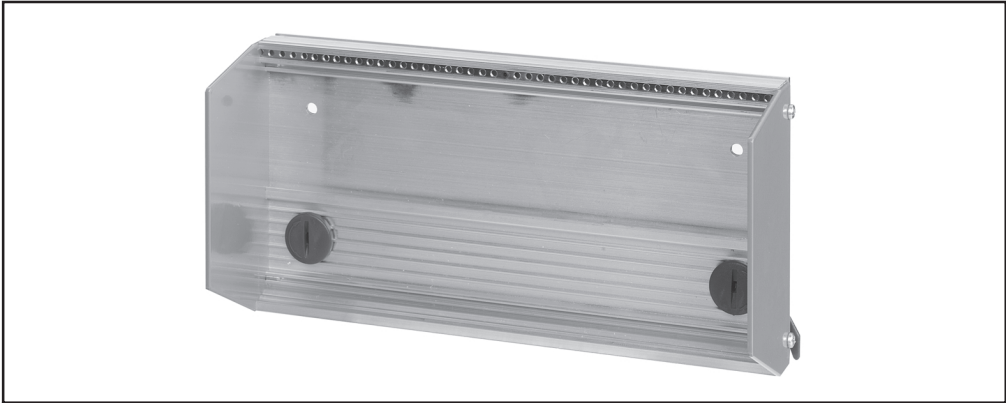
Controller and I/O modules are hung in the module rack and screwed to a threaded strip which is inserted in the aluminum frame. The electrical connection between the modules is achieved by pushing the modules together (integrated plug and socket connection in the modules).

We recommend always using the smallest possible module rack. If module slots do remain free, fitting a bus cover on the first free slot is recommended. In this way, the last module can be protected from damage.

The module address is determined by the controller and the module slot. The CP interface is accessed using module address 0.



2.2 TECHNICAL DATA



2.2.1 Module Racks with Two Side Sections (7BP7xx.0)

| Module ID | BP702 | BP703 | BP704 |
|--------------------------|--|---------------------------------|---------------------------------|
| Model Number | 7BP702.0 | 7BP703.0 | 7BP704.0 |
| Short Description | 2003 Module Racks for 2 modules | 2003 Module Racks for 3 modules | 2003 module racks for 4 modules |
| Number of Module Slots | 2 | 3 | 4 |
| C-UL-US Listed | Yes | | |
| Material | Aluminum | | |
| Fastening the Modules | Hang modules in the rack and screw into place (threaded strips in frame) | | |
| Mounting the Module Rack | Integrated mounting mechanics (standard mounting rail) | | |
| Dimensions [mm] | | | |
| Height | 115 | 115 | 115 |
| Width ¹⁾ | 161.5 | 238,314.5 | |
| Depth | 23 | 23 | 23 |

¹⁾ Includes 8.5 mm for two side sections and mounting screws.

| Module ID | BP705 | BP706 | BP707 |
|--------------------------|--|---------------------------------|---------------------------------|
| Model Number | 7BP705.0 | 7BP706.0 | 7BP707.0 |
| Short Description | 2003 Module Racks for 5 modules | 2003 Module Racks for 6 modules | 2003 module racks for 7 modules |
| Number of Module Slots | 5 | 6 | 7 |
| C-UL-US Listed | Yes | | |
| Material | Aluminum | | |
| Fastening the Modules | Hang modules in the rack and screw into place (threaded strips in frame) | | |
| Mounting the Module Rack | Integrated mounting mechanics (standard mounting rail) | | |
| Dimensions [mm] | | | |
| Height | 115 | 115 | 115 |
| Width ¹⁾ | 391,467.5 | 544 | |
| Depth | 23 | 23 | 23 |

¹⁾ Includes 8.5 mm for two side sections and mounting screws.

| Module ID | BP708 | BP709 | BP710 |
|--------------------------|--|---------------------------------|----------------------------------|
| Model Number | 7BP708.0 | 7BP709.0 | 7BP710.0 |
| Short Description | 2003 Module Racks for 8 modules | 2003 Module Racks for 9 modules | 2003 module racks for 10 modules |
| Number of Module Slots | 8 | 9 | 10 |
| C-UL-US Listed | Yes | | |
| Material | Aluminum | | |
| Fastening the Modules | Hang modules in the rack and screw into place (threaded strips in frame) | | |
| Mounting the Module Rack | Integrated mounting mechanics (standard mounting rail) | | |
| Dimensions [mm] | | | |
| Height | 115 | 115 | 115 |
| Width ¹⁾ | 620.5 | 697,773.5 | |
| Depth | 23 | 23 | 23 |

¹⁾ Includes 8.5 mm for two side sections and mounting screws.

2.2.2 Module Racks with One Side Section (7BP70x.1)

These module racks are e.g. used together with the EX270 CAN bus controller.

| Module ID | BP701 | BP702 |
|--------------------------|--|---|
| Model Number | 7BP701.1 | 7BP702.1 |
| Short Description | 2003 Module Racks for 1 module, incline. right side section | 2003 module racks for 2 modules, incl. right side section |
| Number of Module Slots | 1 | 2 |
| C-UL-US Listed | Yes | |
| Material | Aluminum | |
| Fastening the Modules | Hang modules in the rack and screw into place (threaded strips in frame) | |
| Mounting the Module Rack | Integrated mounting mechanics (standard mounting rail) | |
| Dimensions [mm] | | |
| Height | 115 | 115 |
| Width ¹⁾ | 81 | 157,5 |
| Depth | 23 | 23 |

¹⁾ Includes 4.5 mm for one side section and mounting screws.

2.3 MOUNTING

Mounting the module racks is described in Chapter 2, "Project Planning and Installation".