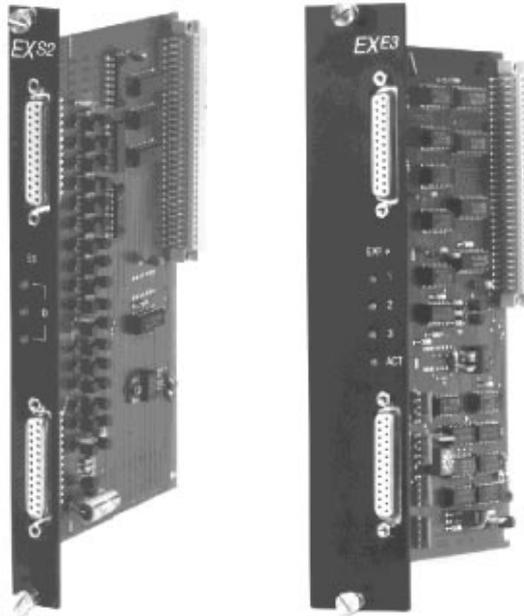
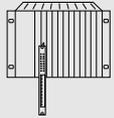


EXS2 - EXPANSION SENDER MODULE, EXE3 - EXPANSION RECEIVER MODULE

PLC SYSTEMS
MULTICONTROL COMPONENTS

A6



| TECHNICAL DATA | EXS2 | EXE3 |
|---------------------------|----------------------------------|----------------------------------|
| Name Expansion | Expansion Sender Module | Receiver Module |
| LED Display | 3 | 4 |
| Connections | Two 25 Pin D-Type Connectors (F) | Two 25 Pin D-Type Connectors (F) |
| Power Consumption at +8 V | 1.7 W | 1.7 W |
| Documentation | MULTICONTROL Hardware Manual | |
| German | MAHWMULTI-0 | |
| English | MAHWMULTI-E | |
| French | MAHWMULTI-F | |
| Italian | MAHWMULTI-I | |
| Spanish | MAHWMULTI-S | |

SLOTS AND CONFIGURATIONS

The EXS2 expansion sender module is used in the main rack in the slot between the power supply module and the CPU. The EXE3 expansion receiver module is used in the expansion unit in the slot immediately next to the power supply module. The slot to the right of the expansion receiver is to remain free, it is to be covered with dummy front.

Both female D-type connectors on the expansion modules are wired parallel. That means either the top or the bottom connector can be used. The expansion units can also either be placed over or under the main rack. e.g.:

ORDER DATA

| | |
|---|----------|
| EXS2 - Expansion sender module for the main rack, for connection of up to three expansion racks | ECEXS2-1 |
| EXE3 - Expansion receiver module to connect an expansion rack to the main rack | ECEXE3-0 |
| Expansion cable for connecting an expansion rack to the a main rack, Length 0.5 m | ECEXKA-1 |

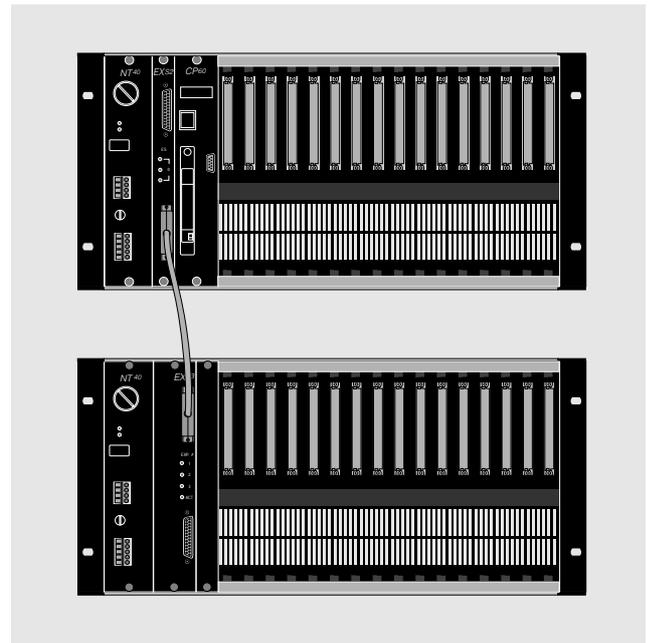
GENERAL INFORMATION

The MULTI main rack has 16 module slots. With the expansion modules EXS2 and EXE3, up to three extra expansion racks can be connected to the main rack. Therefore, the number of modules that can be used in the MULTICONTROL system can be raised to 64.

Required for an expansion unit:

- MULTI main rack (e.g. ECR165-0)
- MULTICONTROL power supply module (NT43, NT44 or PS45)
- Expansion receiver module EXE3
- Expansion cable (Model No. ECEXKA-1)

A standard B&R cable (length 0.5 m) must be used to connect expansion senders and receivers. An EXS2 expansion sender is required in the main rack in addition to the modules shown above in the expansion unit. Up to three expansion receivers can be connected to the expansion sender.



Configuration of Multiple Expansion Units

The following configurations are possible when using more than one expansion unit on the main rack:

- The main rack is either the top or bottom rack in the configuration. In this case, the second expansion unit is connected to the expansion receiver of the first expansion unit.
- The first two expansion units are situated above and below the main rack. In this case, both expansion receivers are connected to the expansion sender on the main rack.