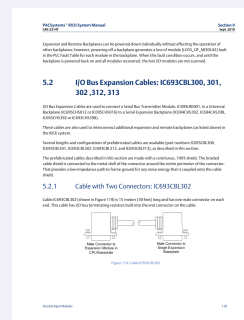


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC695LRE001C

Serial Bus Transmitter Module



PRODUCT	IC695LRE001C
FAMILY	PACSystems RX3i
FUNCTION	Serial Bus Transmitter Module
SOURCE	Emerson GFK-2314T, section 5.1, LRE001

01 OFFICIAL MOUNTING AND WIRING

- Remove main and affected expansion-rack power before handling the module.
- Fit the transmitter to the dedicated right-end connector and secure its captive screws.
- Follow the specified expansion-cable and termination arrangement before restoring power.

AMIKON PRODUCT SUPPORT

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Effective Data Rate	500 k Bytes per second if the expansion bus includes Remote backplanes
Electrical Isolation	Non-isolated differential communications

For product standards and general specifications, refer to *Appendix A*.

5.1.2 Expansion Module Installation

The Serial Bus Transmitter Module (LRE001) resides in the special expansion connector located on the right-hand end of the 12- or 16-slot RX3i Universal Backplane. It does not latch into the backplane. Secure LRE001 with the captive screws supplied (Figure 118).

This module may NOT be hot-inserted in the backplane; power must be removed before installing or removing the Expansion Module. In addition, the expansion cable may not be attached or removed while the expansion rack has power applied.

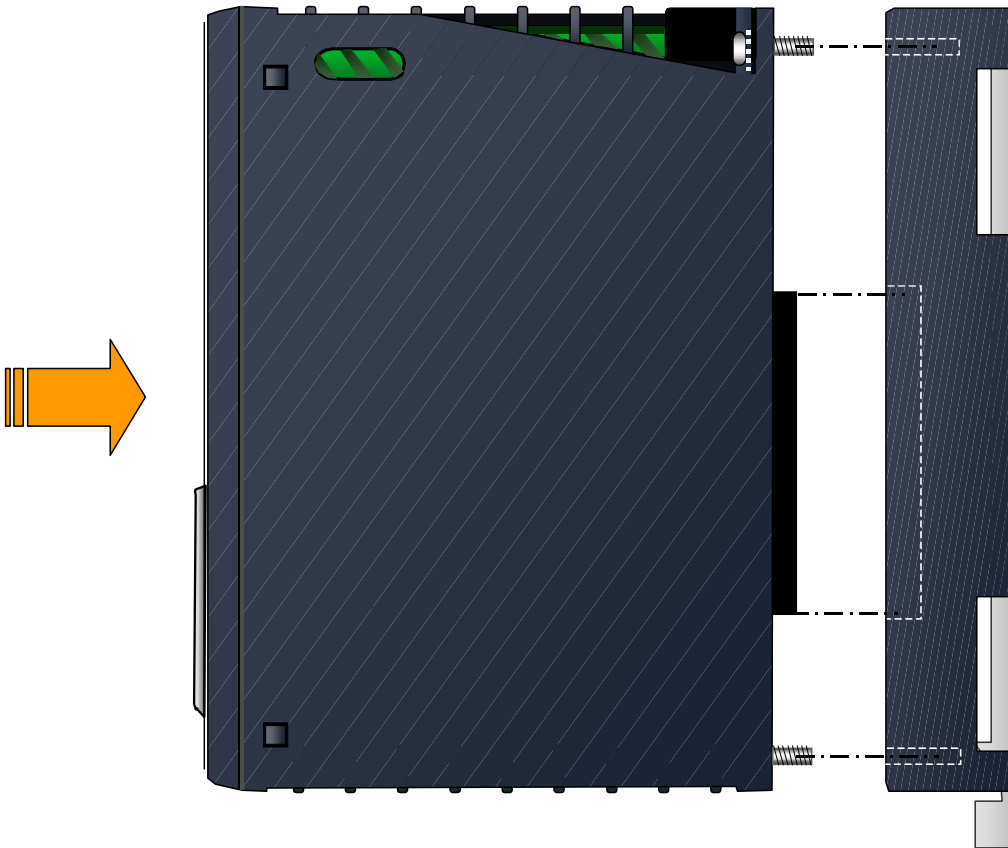


Figure 118: Install LRE001 in Rightmost Connector & Secure with Captive Screws

5.1.3 Powering Down Individual Expansion or Remote Backplanes

Expansion and Remote Backplanes can be powered down individually without affecting the operation of other backplanes; however, powering off a backplane generates a loss of module (LOSS_OF_MODULE) fault in the PLC Fault Table for each module in the backplane. When this fault condition occurs, and until the backplane is powered back on and all modules recovered, the lost I/O modules are not scanned.

5.2 I/O Bus Expansion Cables: IC693CBL300, 301, 302, 312, 313

I/O Bus Expansion Cables are used to connect a Serial Bus Transmitter Module, IC695LRE001, in a Universal Backplane (IC695CHS012 or IC695CHS016) to a Serial Expansion Backplane (IC694CHS392, IC694CHS398, IC693CHS392 or IC693CHS398).

These cables are also used to interconnect additional expansion and remote backplanes (as listed above) in the RX3i system.

Several lengths and configurations of prefabricated cables are available (part numbers IC693CBL300, IC693CBL301, IC693CBL302, IC693CBL312, and IC693CBL313), as described in this section.

The prefabricated cables described in this section are made with a *continuous*, 100% shield. The braided cable shield is connected to the metal shell of the connector around the entire perimeter of the connector. That provides a low-impedance path to frame ground for any noise energy that is coupled onto the cable shield.

5.2.1 Cable with Two Connectors: IC693CBL302

Cable IC693CBL302 (shown in Figure 119) is 15 meters (50 feet) long and has one male connector on each end. This cable has I/O bus terminating resistors built into the end connector on the cable.

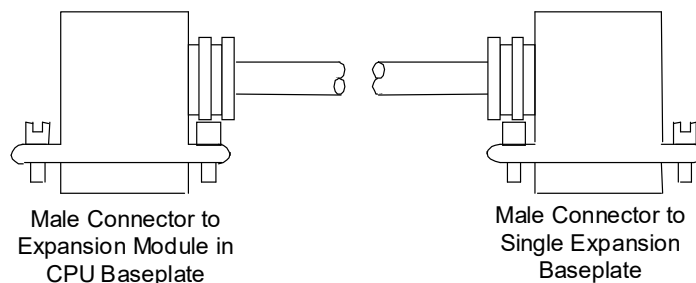


Figure 119: Cable IC693CBL302