

## 6NF CHANNEL MODULES (IEEE C37.94)

The fractional T1/E1 (6NF) Module provides data circuits, or channels, over which you can transmit and receive data at bandwidths from 64kbps to 768kbps (N = 1 to 12). The desired bandwidth is selected via a programmable setting in the module, which is selected in FCS. The 6NF module is supplied with an IEEE C37.94 compliant 850nm optical interface.

The 6NF module works as a synchronous pipeline and does not process the data passing through it. The module's interface consists of 2 type ST optical connectors, which accept single or multi-mode fiber.

### Application

This module is used to connect IEEE C37.94 compliant devices to the multiplexer. This eliminates the cost and interference problems inherent with metallic circuits.

Typical devices you can connect to the module include:

- External protocol converters to V.35, RS-422, G703.2
- Current differential protective relays (SEL 311L, GE L90, RFL 9300)
- Contact transfer devices (SEL 2594)

### Specifications

Module:	1 slot width*
Data Rate:	64k to 768k (1–12 timeslots)
Optical Interface:	850nm
Connection:	ST connector for multi-mode fiber
Clock:	Internal only
Indications:	Module Status TX Data RX Data

\* When setting 'N' for values greater than 2, it is necessary to leave empty slots to the right of the module when installed in FOCUS. One spare slot for every 2 values of N greater than N=2. (i.e. 1 spare slot for N=3 or 4, 2 spare slots for N=5 or 6, etc.)

