

6C30 and 6C31 Self-Healing Ring Module



The Patented 6C30/31 Self-Healing Ring System provides a "No Data Loss" method of establishing fiber media redundancy. The SHR modules detect and redirect data to the secondary fiber path when a break in the fiber occurs between two adjacent nodes or drops. The modules can be configured for manual or automatic resetting when the fiber path has been restored. Visible LED indicators in conjunction with relay contacts provide local and remote monitoring of the integrity of the fiber optic network.

The 6C31 module is utilized in the modems at each node of the fiber-ring network. These modems consist of a 6A02 Modular Rack containing a Power Supply, an Electrical Interface, the 6C31, and two Optical Interface Modules. An additional 6A02 Rack containing a Power Supply, the 6C30 and two Optical Interface Modules must be located in the fiber ring, but it does not make connection as an electrical node.

Operation is independent of communications protocol, fiber size or speed!

SPECIFICATIONS

Mechanical:

Mounting: Slot 5 of the 6A02 Modular Rack

Weight: < 7 oz (200g)

Communication Protocol/Data Rate: DIP Switch Selectable

Status Indicators:

Dual Color LEDs

Green: Functional Optic Link
 Red: Broken Fiber/Non-Functional Optic Link

Relay Contact Rating: 175Vdc, 0.25A Switching, 1 A Continuous
 Relay Connection: Pluggable, Screw Terminal Block
 12 to 24 AWG Cage-Clamp



Ambient Conditions: -40°C to 80°C Storage
 0°C to 70°C Operational
 0 to 90% Relative Humidity Non-Condensing

