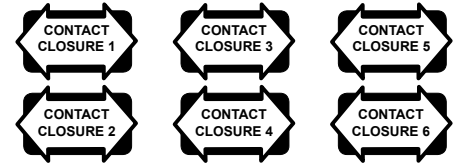


Digitally Encoded Six Full Duplex Contact Closure Channels



FEATURES:

- Six Full Duplex Contacts
- Laser Based Systems for Multimode and Singlemode Fiber
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- *SpectraSmart* Network Management Compatible
- Local LED Status Indicators to Monitor Critical System Diagnostics and Performance Parameters
- ST, FC Optical Connector
- Hot Swappable Rack Cards
- Back - Biased Photo Detector Circuitry for Stable Optical Laser Output Over Full Temperature Range
- Meets NEMA TS1 / TS2 & CALTRANS Specifications
- Utilizes Internal Switching Power Supplies
- Automatically Resettable Solid-State Current Limiters on All Power Lines: Provides Equipment Protection
- DB 25 Type Connectors for Contact Closure
- Wide Optical Dynamic Range: Optical Attenuators are Never Needed

DESCRIPTION:

This module in the DigiSlim™ product family incorporates an all-digital encoding technology. It transmits six Bi-directional Contact Closure channels over one multimode or singlemode fiber. Convenient DB-25 connector is used for easy connection of the contact interface. Status indicators provide visual indication of the operational status of the contact. The SXA/SXB-6C-x system is available with Meridian's *SpectraSmart*™ Network management and diagnostic PC based system. See the *SpectraSmart*™ brochures for additional details.

CONFIGURATIONS:

The SXA/SXB-6C-x system is available as rack mount cards and modules that can be installed in any of Meridian's desk chassis or in 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be transformed into a standalone module by utilizing an SR-500/S (standard configuration) or an SR-1000/S.

MARKETS:

Security and surveillance
Access Control

SPECIFICATIONS:

Data

| | |
|----------------|---------------------|
| Formats | Contact Closure |
| Rate | 10 Hz.(Per Channel) |
| Bit Error Rate | 10 ⁻⁹ * |

Optical

| | |
|-----------------|---------|
| Fiber Data Rate | 25 Mb/s |
|-----------------|---------|

Connectors

| | |
|----------------|---------------------------------|
| Optical | ST, FC |
| Power (module) | See SR-500 Brochure for details |
| Data | DB 25 Type Connector |

Power **

| | |
|------|---------|
| Card | 4 Watts |
|------|---------|

Indicators (LEDs)

| | |
|--------------|--------------------------------|
| 1 - Green | Power On |
| 1 - Bi-color | TX Carrier/ Laser Over Current |
| 1 - Bi-color | RX Carrier - Present / Error |
| 12 - Green | Contact Closure Present |

Physical

| | |
|-------------------|--|
| Dimensions (Card) | 160 mm (6.3") L, 127 mm (5") W 20mm (0.80") W |
| Weight (Card) | 450 gms (16 Oz) |
| No. of Slots | 1 |
| Module | See SR-500 Brochure |

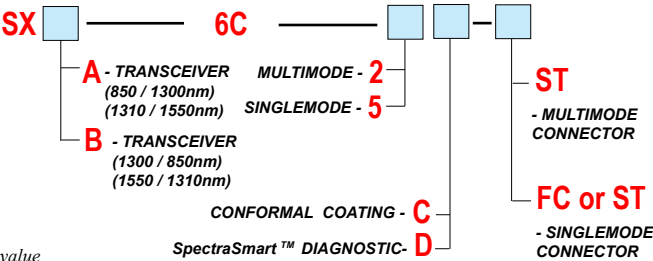
Enviromental

| | |
|-----------------------|-------------------------|
| Operating Temperature | -34°C to +74°C |
| Storage Temperature | -55°C to +85°C |
| Relative Humidity | 0 to 95% Non-condensing |

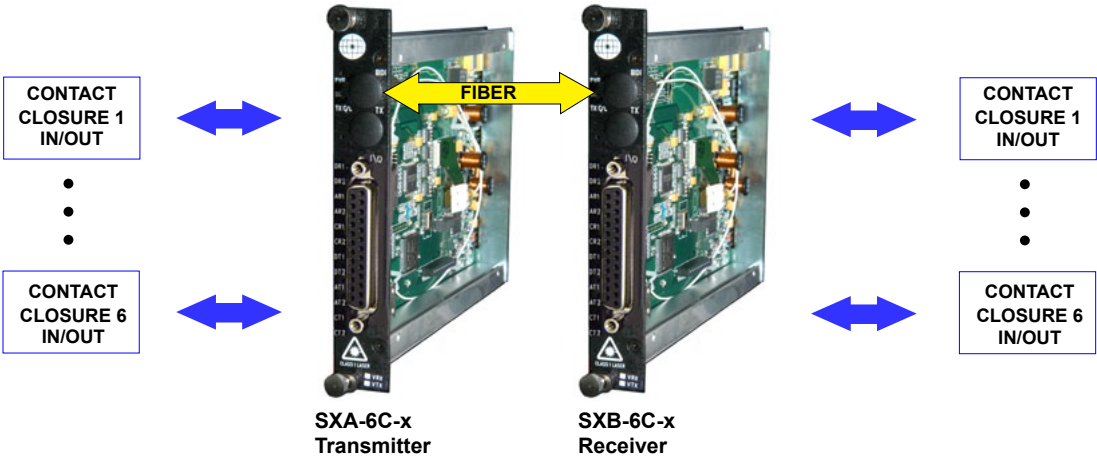
Quality

| | |
|------|---|
| MTBF | >170,000 hours @ Ground Fix 35°C per MIL217F |
|------|---|

Part Numbers:



* measured @ max. optical budget
** Due to variations of drivers and diagnostic options, power shown @ max value



OPTICAL:

| Fiber Type/Size (um) | Optical Output (dBm) | Receiver Sensitivity (dBm) | Optical Budget (dB) | Wavelength (nm) | Optical Connector | Optical Dynamic Range (dB) |
|--|----------------------|----------------------------|---------------------|-----------------|-------------------|----------------------------|
| Multimode (FP Laser) 62.5 / 125 (OpticCode 2) | -6 | -27 | 21 | 850/1300 | ST | 24 |
| Singlemode (FP Laser) 9 / 125 (OpticCode 5) | -6 | -27 | 21 | 1310 / 1550 | ST, FC | 24 |