

## ECT099 TWO / FOUR CHANNEL DUPLEX CONTACT CLOSURE OPTICAL LINK



### FEATURES

- ❑ Two or Four Channel Duplex Transmission
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators
- ❑ 12 VDC or 24 VAC Power Supply

ECT099 system provides two or four channel high performance optical link for bi-directional transmitting of contact closure data signals over a fiber optic cable. The system features quality transmission of data signals with switching time up to 5 msec. ECT099 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-4 dBm
Receiver Sensitivity	-30 dBm	-34 dBm	-36 dBm
Receiver Sensitivity**	-29 dBm	-33 dBm	-35 dBm
Optical Connectors	ST, SC		ST, SC, FC

\* with +/- 1 dBm variation; higher power laser sources are available per special request;

\*\* for one-fiber configuration with internal WDM.

### ORDERING INFORMATION

099E-N/DX-XYZ

- E = M for multimode
  - = M(13) for multimode 1300nm
  - = S for single mode receiver or 1310nm transmitter
  - = SP for high power (0 dBm) 1310nm transmitter option
  - = S(15) for single mode 1550nm transmitter
  - = S(15)P for high power (0 dBm) 1550nm transmitter option
  - = SD, SPD, S(15)D, S(15)PD for DFB lasers option
- N = 2 for 4 ch. card-module or rack card\*
- X = M for standalone module
  - = C for rack card\*
- Y = 1, 2 or 4(rack card only) for number of fibers
- Z = ST, SC, FC for optical connectors

\*compatible with USR type chassis

<b>Channel Capacity</b>	2Ch. - for standalone module 4Ch. - for rack card or standalone card-module
<b>Contact Bounce Time</b>	Up to 5 msec
<b>Input Signal</b>	Dry contact / TTL / CMOS
<b>Output Signal</b>	Dry contact @ 30VDC/24VAC, 1A max
<b>Data Connector</b>	RJ45
<b>Power Requirements:</b>	
<b>2Ch. Module</b>	11 - 14 VDC @ 200 mA 21 - 27 VAC @ 150 mA
<b>4Ch. Card / Module</b>	11 - 14 VDC @ 400 mA
<b>Power Connector:</b>	
<b>Module</b>	Terminal Block with Plug, 3 pos. Screw Terminal, 2 pos.
<b>Card-Module</b>	
<b>Operating Temperature</b>	-20°C to +70°C (-4°F to +158°F)
<b>Dimensions:</b>	
<b>2Ch. Module</b>	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
<b>4Ch. Card / Module (w/o connectors)</b>	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
<b>4Ch. Card / Module (with connectors)</b>	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

**Note:** The specifications are subject to change without notice.



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