MTL 8000 FIBRE EXTENSION

Product Data Sheet

8937-HN

Fibre optic extender module

ELECTRICAL INTERFACE	FIBER CHANNELS	NOMINAL POWER CONNECTION	AUXILIARY LOGIC CONNECTION
RS485	**2; FO1 and FO2**	**24 V DC**	**5 V; less than 100 mA**

MTL 8937-HN is a fibre-optic extender used to extend an RS485-connected I/O arrangement through optical links. It provides two optical channels and separate power, screen-earth and electrical communication connections in the documented MTL installation arrangement.

01 TECHNICAL DATA

Electrical interface	RS485
Fiber channels	2; FO1 and FO2
Nominal power connection	24 V DC
Auxiliary logic connection	5 V; less than 100 mA
Maximum optical source output	0.423 mW
Maximum incoming optical power	35 mW
Required equipment enclosure	IP54 minimum
Documented hazardous location	Class I Division 2 Groups A–D / Class I Zone 2
Temperature class	T5 at ambient 70 °C
Power removal/insertion	Live disconnect supported per SCI-1021

MTL 8937-HN Fibre-Optic Extender Installation Drawing SCI-1021.

02 ADDITIONAL PRODUCT DATA

The SCI-1021 control drawing defines the optical energy limits, protective enclosure and hazardous-location installation conditions. Its live-disconnect provision applies to the module power connection under those conditions; the 8937-HN and later 8937-HN2 remain distinct catalog references.

03 PRODUCT FUNCTION

Connect the RS485 interface and the FO1/FO2 transmit and receive channels according to the MTL SCI-1021 drawing. Preserve the intended optical path and mode selection, and identify the 24 V DC, 0 V and screen-earth connections before energizing.

04 SYSTEM COMPATIBILITY

Install the 8937-HN in a suitable equipment enclosure meeting at least IP54. Apply the specified Class I Division 2 or Zone 2 installation conditions and optical limits, including a maximum incoming optical source power of 35 mW.

05 REFERENCE

MTL 8937-HN Fibre-Optic Extender Installation Drawing SCI-1021.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**