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RS485 Isolator Repeater, RS485 2 to 4 Wire & RS485 to RS422 Converter, Model SC07

SC07 is used to expand Line driving capability of RS485 / RS422 beyond 1.2 km. It also converts RS485 to RS422 (and vica versa). It can also be used as RS485 Isolator. They are used for providing Isolation to Serial Interface. With high degree of protection, it keeps the COM port of your equipment safe.

COMMUNICATION

Input / Output   : RS422, RS485 4 wire / 2 Wire
Speed   : 1200bps to 115 Kbps
Cable Distance   : 1.2Km on both sides @ 9600bps
Cable Impedance   : 90Ω/km
LED Indications   : TX, RX & Power ON

MECHANICAL

Connector   : Input, Power, Output : Screw type Terminal blocks
Enclosure   : ABS, DIN Rail Mounting
Dimensions   : 45mm L x 110mm D x 75mm H

ELECTRICAL

Power Supply   : 230V AC. Range 110 to 270 V AC, 50 Hz
                    : 24V DC. Range +/- 10%
                    : 48V DC. Wide Range 18 to 72V DC
Protection   : Short Circuit, Reverse Polarity (for DC Input)
Power Consumption   : 1.2 watts

PROTECTION

Isolation Method   : Power to Input, Power to Output & Input to Output
Optical Isolation   : 3000 V DC
Galvanic Isolation : 3000 V DC
ESD Protection   : 15KV on all Data lines
Surge Protection   : 4KV Lightening / Surge Protection.
                    : 600 W on all Data lines

OPERATING CONDITIONS

Temperature   : 0 - 65°C
Relative Humidity   : 5 – 95 % - non-condensing

Model Selection   : SC07 XXX

SC07   : Base Model
XXX   : 24   : 24V DC
          : 48   : 18 to 72V DC
          : 230   : 90 to 260V AC
          : 110   : 110V DC