

Schneider 140NRP95400 Manual

Brand	Schneider
Product Series	Schneider
Product Type	Multi-mode

Description

The Schneider Electric 140NRP95400 fiber optic repeater is engineered for effective signal transmission in network applications. With multiple ports, it utilizes multi-mode fiber optics and features LED indicators for operational status.

Technical specifications for 140NRP95400

Manufacturer Schneider Electric

Product Line Modicon Quantum

Part Number 140NRP95400

EAN 3595864115238

Weight 1.44 lbs (0.65 kg)

Name Fiber Optic Repeater

Optic Fiber Type Multi-mode

Bus Current Requirement 700 mA

Power Dissipation 5W

Inrush Current 1A at 5VDC

Number of Ports 2 fiber optic ports (connector type: ST) and 1 coaxial connector port

Indicators LEDs

Wavelength 820 nm

Rise/Fall Time 20 ns

Receiver Sensitivity -30 dBm

Dynamic Range 20 dB

Detected Silence -36 dBm

Material PC (polycarbonate)

Description

Part number 140NRP95400 from Schneider Electric features a fiber optic repeater tailored for optimal data transmission. This unit is built to operate using multi-mode fiber optics and requires a bus current of 700 mA. It dissipates around 5 watts during operation. The device can withstand an inrush current of 1 amp at 5VDC, ensuring durability under varying power conditions.

Designed with two fiber optic ports using ST connectors, it also includes a coaxial connector port, maximizing connectivity options for network integration. Operational performance is enhanced with LED indicators that convey the status of the device instantly.

The repeater operates at a wavelength of 820 nm with a rapid rise/fall time of 20 nanoseconds, which allows it to support fast data communications. Its receiver sensitivity is rated at -30 dBm, along with a dynamic range of 20 dB, ensuring that it can effectively manage signals across significant distances. Additionally, it identifies silence at -36 dBm, providing insights into the absence of data transmission.

Constructed from polycarbonate, the casing is durable, with dimensions of 40.34 mm in width, 250 mm in height, and 103.85 mm in depth. Weighing in at 0.554 kilograms, this fiber optic repeater is compact and suitable for various installation scenarios, reinforcing its place in robust communication systems.

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