

Schneider 140ERT85410 Manual

Brand	Schneider
Product Series	Schneider
Product Type	Multifunction Input Module

Description

The 140ERT85410 is a multifunction input module from Schneider Electric's Modicon Quantum series. This device features two groups, each containing 16 process inputs and includes a total of 40 terminals for connectivity. It provides optocoupler isolation to effectively separate the two channel groups, thus enhancing performance reliability.

Technical specifications for 140ERT85410

Manufacturer Schneider Electric

Product Type Multifunction Input Module

Product Line Modicon Quantum

Part Number 140ERT85410

Weight 0.94 lbs (0.43 kg)

Number of Channel Groups 2 groups of 16 process inputs

Number of Terminals 40 terminals

Electrical Connection Type Screw-type terminals

Isolation Type Optocoupler isolation between channel groups

Number of Inputs 1 discrete input for clock signal input and 32 discrete inputs for process input

Process Input Power Consumption Less than 7.5 Watts

Process Input Cable Type Shielded and unshielded cables

Ambient Operating Temperature 0 to 60°C (in a non-condensing environment)

Storage Temperature -40 to 85°C (in a non-condensing environment)

Operating Altitude Up to 16,404.2 feet (5,000 meters) above sea level

Cable Length 400 to 600 meters (1,312.34 to 1,968.5 feet)

Local Signalling 35 LED indicators

Humidity Tolerance 0 to 95% relative humidity (without condensation)

Description

The Modicon Quantum 140ERT85410 multifunction input module is engineered for diverse industrial applications. It features 40 screw-type terminals for dependable electrical connections. The product is configured to manage two groups, where each group accommodates 16 process inputs effectively. For enhanced signal integrity, an optocoupler isolation method separates the channel groups.

The module is designed to receive one discrete clock signal input alongside 32 discrete inputs for process applications. It operates efficiently with a power consumption not exceeding 7.5 Watts. Users can utilize both shielded and unshielded cables, with operational cable lengths ranging from 400 to 600 meters (1,312.34 to 1,968.5 feet).

Local indication is facilitated through a robust array of 35 LED indicators, providing clear status signals. The module maintains reliable performance in a non-condensing environment, supporting ambient temperatures between 0 and 60 degrees Celsius while storage conditions can safely go as low as -40 and as high as 85 degrees Celsius. With a tolerance for relative humidity levels from 0 to 95% without condensation, this module is prepared for varied operating conditions. Additionally, it is capable of performing at significant altitudes, specifically up to 5,000 meters above sea level.

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