

MODICON QUANTUM

Product Data Sheet

140DAI34000

16-point individually isolated 24 V AC input module

INPUT POINTS	NOMINAL INPUT	FREQUENCY RANGE	50 HZ ON RANGE
16 individually isolated	24 V AC	47 to 63 Hz	14 to 30 V AC

Schneider Electric 140DAI34000 is a 16-point individually isolated 24 V AC input module for the Modicon Quantum platform. It provides the documented electrical, communication or control role defined for this exact article and revision.

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VERIFIED TECHNICAL DATA

Input points	16 individually isolated
Nominal input	24 V AC
Frequency range	47 to 63 Hz
50 Hz ON range	14 to 30 V AC
60 Hz ON range	12 to 30 V AC
OFF-state range	0 to 5 V AC
Required addressing	1 input word
Maximum leakage for OFF	1.9 mA
Continuous input limit	30 V AC
OFF-to-ON response	4.9 ms minimum; 0.75 line cycle maximum

ADDITIONAL PRODUCT DATA

ON-to-OFF response	7.3 to 12.3 ms
Input-to-input isolation	1780 V AC for 1 minute
Bus current	180 mA
Maximum power dissipation	5.5 W

DOCUMENTED USE SETTINGS

Thermal and Hydroelectric Power Generation Infrastructure: Thermal electricity generation across regional utility facilities.

Marine Transport and Port Infrastructure Sectors: Commercial shipbuilding and vessel repair across coastal regions.

Oil and Natural Gas Extraction and Transmission: Offshore petroleum exploration and upstream energy development sites.

SYSTEM COMPATIBILITY

140DAI34000 provides the documented function of a 16-point individually isolated 24 V AC input module in the Modicon Quantum platform. Match the complete article and revision with the host architecture before engineering approval.

PRODUCT EVIDENCE

Modicon Quantum Hardware Reference 840 USE 100 00