

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

1762-IQ16

Allen-Bradley 16-point digital input

01 PRODUCT IDENTIFICATION

Manufacturer	Allen-Bradley
Exact model	1762-IQ16
Product family	MicroLogix 1200 expansion I/O
Component class	16-point digital input
Primary function	16 discrete input channels

02 CONFIRM THE ORDERED CONFIGURATION

Signal or Power Path	1762 expansion bus interface
System Interface	DIN rail or panel mounting
Mounting Arrangement	Two isolated input groups
Configuration Reference	8 ms nominal input delay
Replacement Control	Record wiring and companion hardware
Commissioning Check	Force and verify all 16 input points

03 PREPARATION AND SAFETY

Only qualified personnel should install 1762-IQ16. Isolate every applicable energy source, prove a safe state, use ESD protection where required, and retain the controlled Allen-Bradley instructions at the work location.

04

MODEL-SPECIFIC INSTALLATION WORKFLOW

1

VERIFY

Confirm the complete 1762-IQ16 identity and MicroLogix 1200 expansion I/O application.

2

DOCUMENT

Record 8 ms nominal input delay, adjacent hardware, labels and connections.

3

ISOLATE

Apply site lockout, discharge, absence-of-voltage and ESD controls appropriate to the equipment.

4

REMOVE

Support the 16-point digital input; release fasteners and connectors without forcing or distorting the assembly.

5

COMPARE

Match 1762 expansion bus interface, interfaces, mechanical design and companion hardware.

6

INSTALL

Seat and retain the replacement evenly; restore documented wiring, shields, earth paths or mechanical covers.

7

COMMISSION

Force and verify all 16 input points

MANUFACTURER DOCUMENT APPLICABILITY

The appended Allen-Bradley manufacturer documentation provides the product-family identity, configuration, connection or service information used for this installation reference. Apply only the sections that match the exact installed hardware.

05 PRE-ENERGIZATION AND HANDOVER CHECKLIST

Identity	Exact 1762-IQ16 and manufacturer markings confirmed
Mechanical	8 ms nominal input delay correctly seated and retained
Connections	Two isolated input groups and documented interfaces restored
Configuration	Record wiring and companion hardware reviewed against the approved record
Functional test	Force and verify all 16 input points
Documentation	Photos, settings, test results and replaced-part identity retained

06 CONTROLLED DOCUMENTS

ALLEN-BRADLEY MANUFACTURER DOCUMENTATION

Source: <https://www.amikong.com/Allen-Bradley-c48.html>. Use the manufacturer manual and the site-controlled drawings for terminal functions, torque values, firmware or software conditions, safety limits and final acceptance criteria.

DO NOT INFER UNDOCUMENTED VALUES

Do not infer compatibility, electrical ratings, terminal functions, replacement status or configuration from appearance or a partial model number.

AMIKON PRODUCT SUPPORT

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