

INDUSTRIAL COMPONENT DATA

ILC 2050 BI 2403160 PHOENIX CONTACT Controller

Brand: PHOENIX CONTACT | Manufacturer Part Number: ILC 2050 BI



Manufacturer	PHOENIX CONTACT
MPN / Reference	ILC 2050 BI
Catalog number	2403160
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-0D28625A20
Generated	2026-08-05

Product Overview

Controller

Modular inline controller for automation applications in building technology, infrastructure and energy technology. It has two logically separated IP address interfaces with 2 integrated Fast Ethernet ports respectively. Configurable assignment of Ethernet ports for use of the Spanning Tree protocol, Daisy Chain, and redundant ring structures for maximum availability. Four LAN interfaces, two USB interfaces and two RS-485 interfaces have been integrated. Data point connections can be expanded with up to 63 inline I/O modules: digital and analogue function terminals for DALI, pulse counting, MBUS or serial interfaces.

Modular Inline controller for automation applications in the fields of building technology, infrastructure, and energy technology. Equipped with two logically separated IP address interfaces each with 2 integrated Fast Ethernet ports. Configurable assignment of the Ethernet ports for the use of the spanning-tree protocol, daisy chain and redundant ring structures for maximum availability. Four LAN, two USB, and two RS-485 interfaces are integrated. The data point connections can be extended with up to 63 Inline I/O modules: digital and analog, function terminals for DALI, pulse counting, MBUS or serial interfaces.

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Control Systems (CST)
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Additional Product Information

Technical dataNotesNote on application
Note on application Only for industrial use
Product propertiesProduct type Controller
Product family Inline-Controller

Type modular

Data management status

Article revision 06

Display

Diagnostics display no

System propertiesProcessor Arm®Cortex®-A8 1 GHz

Retentive data storage 2 GByte (eMMC)

RAM 1024 Mbyte DDR3 SDRAM

IEC 61131 runtime system

Program memory 1 GByte (SRAM)

Data storage system 1.8 GByte (eMMC)

Function

Diagnostics display no

Controller redundancy no

Safety function no

Functionality

Programming languages supported Niagara Framework®

System requirements

Engineering tool Emalytics

Electrical propertiesSupply

Supply voltage 24 V DC

Supply voltage range 19.2 V DC ... 30 V DC

Max. current consumption ≤ 1.5 A

Typical current consumption ≤ 170 mA (at nominal voltage without local bus device)

Real-time clock

Realtime clock Yes

Description realtime clock integrated (rechargeable battery buffered)

Potentials

Supply voltage 24 V DC -15 % / +20 % (in accordance with EN 61131-2)

Supply voltage range 19.2 V DC ... 30 V DC

Connection dataInline connector

Connection method Spring-cage connection

Conductor cross section, rigid 0.08 mm² ... 1.5 mm²

Conductor cross section, flexible 0.08 mm² ... 1.5 mm²

Conductor cross section AWG 28 ... 16

InterfacesSupported protocols BACnet/IP

BACnet MS/TP (only at COM1 and COM2)

Modbus/TCP

Modbus/RTU

KNX IP

DALI

DALI-2

LON IP

EnOcean

SMI

MP-Bus

SNMP

M-Bus
MQTT
OPC UA
Simple OpenADR
LDAP
SMS
CSV
oBIX
Milest...

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Send PHOENIX CONTACT / ILC 2050 BI with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

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