

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
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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)

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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

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