

ILC 150 VLC - Controller

2985783

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Inline Controller with Ethernet interface for coupling to other controllers and systems, and integrated Steeplechase VLC runtime, complete with plug and labeling field.

Commercial data

Item number	2985783
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DRA
Product key	DRACBA
Catalog page	Page 66 (AX-2009)
GTIN	4046356182782
Weight per piece (including packing)	352.8 g
Weight per piece (excluding packing)	308.8 g
Customs tariff number	85371091
Country of origin	DE

Technical data

Product properties

Type	Inline format with alignable I/Os
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Display

Diagnostics display	No
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System properties

Retentive data storage	128 kByte (NVRAM)
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IEC 61131 runtime system

Program memory	typ. 256 kByte (including data storage)
Data storage system	256 kByte
Number of control tasks	1

INTERBUS-Master

Number of devices with parameter channel	max. 8
Number of supported branch terminals with remote bus branch	3

Function

Diagnostics display	No
Controller redundancy	No

Module

ID code (hex)	none
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System requirements

Engineering tool	Steeplechase VLC 7.2 (or higher) Control Designer
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Electrical properties

Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 5 W

Supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 5 %
Typical current consumption	200 mA (no local bus device connected during idling, bus inactive)

Real-time clock

Realtime clock	Integrated (battery backup)
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Potentials

Supply voltage	7.5 V DC ±5 %
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Potentials

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Supply voltage	24 V DC -15 % / +20 %
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Potentials

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Current draw	max. 8 A DC

Potentials

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Current draw	max. 8 A DC

Input data

Digital:

Input name	Digital inputs
Number of inputs	8
Connection method	Inline potential distributor
Connection technology	2-, 3-, 4-conductor

Output data

Digital:

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	2-, 3-, 4-conductor
Number of outputs	4
Maximum output current per channel	500 mA

Connection data

Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16

Interfaces

INTERBUS local bus (master)

Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud (can be switched)

Parameterization/operation/diagnostics

Bus system	RS-232
Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)
Transmission speed	9600 Baud
Transmission physics	Copper
No. of channels	1

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Ethernet 10Base-T/100Base-TX

Bus system	RJ45
Connection method	RJ45 jack
Transmission speed	10/100 Mbps
No. of channels	1

Dimensions

Width	80 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color	green
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)

Mounting

Mounting type	DIN rail mounting
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable
Exemption	7(a), 7(c)-I

EU REACH SVHC

REACH candidate substance (CAS No.)	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)(CAS: 110-71-4)
	Lead(CAS: 7439-92-1)

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