ILC 350 PN - Controller

2876928

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Inline Controller with PROFINET interface for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with plug and labeling field.

Your advantages

- Integrated web server for visualization with WebVisit
- FTP server
- Flash file system
- Complete fieldbus master (8192 I/O points)
- Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- Integrated Ethernet interface
- Integrated PROFINET controller
- Engineering with PC Worx (IEC 61131-3)

Commercial data

Item number	2876928
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRAAAC
Product key	DRAAAC
GTIN	4046356048262
Weight per piece (including packing)	781.366 g
Weight per piece (excluding packing)	752 g
Customs tariff number	85371091
Country of origin	DE

Technical data

Product properties

Product type	Controller
Product family	Inline
Type	modular

Display

Diagnostics display	no

System properties

Processor	PXA 255 400 MHz

IEC 61131 runtime system

Program memory	typ. 1 Mbyte
Retentive data storage	64 kByte (NVRAM)
Data storage system	2 Mbyte
Number of data blocks	depending on data storage
Number of control tasks	16

System limits

Amount of process data (INTERBUS input/output data)	max. 8192 bit (INTERBUS)
Number of supported devices (INTERBUS)	max. 512 (in total, of which 254 are remote bus devices/bus segments)
Number of local bus devices that can be connected (INTERBUS)	max. 63 (observe current consumption)
Number of devices with parameter channel	max. 62
Number of supported branch terminals with remote bus branch	15

PROFINET

Device function	PROFINET-Controller
Specification	Version 1.1
Update rate	min. 1 ms

Function

Diagnostics display	no
Redundancy function	yes
Note on redundancy function	applicative system redundancy possible
Safety function	no

Local diagnostics

Designation	LNK, ACT, 100
Monitored function	Higher-level network
Optical representation	LED

Functionality

Programming tool	PC Worx
Programming languages supported	Programming in acc. with IEC 61131-3

System requirements

Diagnostics tool	DIAG+ from version 1.14

Electrical properties

Local diagnostics	LNK, ACT, 100 Higher-level network LED
	FC RUN, FAIL IEC 61131 runtime system LED
	RDY/RUN, BSA, FAIL, PF INTERBUS master LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 6 W

Supply

Supply voltage	24 V DC ±5 %
Supply voltage range	20.4 V DC ... 30 V DC
Residual ripple	± 5 %
Typical current consumption	250 mA (no local bus device connected during idling, bus inactive)

Real-time clock

Realtime clock	Integrated (battery backup)

Potentials

Supply voltage	7.5 V DC ±5 %
Power supply	2 A DC (observe derating)

Potentials

Supply voltage	24 V DC -15 % / +20 %
Power supply	0.5 A DC (observe derating)

Potentials

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

Potentials

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Power supply	max. 8 A
Current draw	max. 5 A

Input data

Digital:

Input name	Digital inputs
Description of the input	Eight fast inputs, interrupt input
Number of inputs	12
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
Output voltage	24 V DC
Maximum output current per channel	500 mA

Connection data

Inline 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

Interfaces

Web server	no

Ethernet 10Base-T/100Base-TX

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

INTERBUS local bus (master)

Number of interfaces	1
Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud (can be switched)

Parameterization/programming/diagnostics

Bus system	RS-232
Number of interfaces	1
Connection method	6-pos. MINI DIN socket (PS/2)
Transmission physics	Copper
No. of channels	1

Dimensions

Width	182 mm
Height	140.5 mm
Depth	71.5 mm

Material specifications

Color	green (RAL 6021)

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 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g, accordance to IEC 60068-2-6
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

Classifications

UNSPSC

UNSPSC 21.0	32151700

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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