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Controller - ILC 150 GSM/GPRS - 2916545

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

Product Description

The ILC 150 GSM/GPRS combines the options of controllers in performance class 100 with wireless communication via mobile phone networks. A GSM/GPRS modem is integrated in the controller. This enables SMS messages to be sent and received and supports packet-oriented (IP) communication via GPRS.
The controller itself offers 16 digital inputs and 4 digital outputs for various control tasks. The 512 KB program and 512 KB mass storage complete the functions of the controller, thus allowing plenty of space to accommodate larger applications as well.

The Inline Controller (ILC) range covers a wide performance spectrum. From entry-level versions through to high-end controllers, users can choose the right controller for their application.

Your advantages

- ☑ Integrated GSM/GPRS modem
- ☑ Free engineering with PC Worx Express (IEC 61131-3)
- ☑ Integrated Ethernet interface
- ☑ Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- ☑ Flash file system
- ☑ Integrated web server for visualization with WebVisit
- ☑ Complete INTERBUS master (4096 I/O points)
- ☑ FTP server

RoHS Ethernet GSM INTERBUS

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	371.800 g
Custom tariff number	85371091
Country of origin	Germany

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Technical data

Dimensions

Width	85 mm
Height	119.8 mm
Depth	71.5 mm

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)
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)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Control system

Engineering tool	PC WORX
	PC WORX EXPRESS
Diagnostics tool	DIAG+
Configuration tool	Config+ Version 1.01 or later

Mechanical design

Weight	285 g
Diagnostics display	No
Controller redundancy	No

Data interfaces

Interface	INTERBUS local bus (master)
Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud (can be switched)
Interface	Ethernet 10Base-T/100Base-TX
Connection method	RJ45 jack
Transmission speed	10/100 Mbps
Interface	GSM / GPRS
Connection method	SIM card, SMA antenna connection

Power supply

Typical current consumption	210 mA
Max. current consumption	860 mA (360 mA communications power + 500 mA analog voltage supply)

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Technical data

Power supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 5 %
Power dissipation	max. 5 W

Fieldbus function

Amount of process data	max. 4096 Bit (INTERBUS)
Number of supported devices	max. 128
Number of local bus devices that can be connected	max. 63 (observe current consumption)
Number of devices with parameter channel	max. 16
Number of supported branch terminals with remote bus branch	max. 3
Program memory	512 kByte

Direct I/Os

Input name	Digital inputs
Number of inputs	16
Connection method	Inline potential distributor
Connection technology	2, 3, 4-wire
Output name	Digital outputs
Number of outputs	4
Connection method	Spring-cage connection
Connection technology	2, 3, 4-wire
Maximum output current per channel	500 mA

IEC 61131 runtime system

Engineering tool	PC WORX
	PC WORX EXPRESS
Program memory	512 kByte
Mass storage	512 kByte
Retentive mass storage	48 kByte (NVRAM)
Number of control tasks	8
Realtime clock	Yes

Standards and Regulations

Vibration (storage/transport)	5g
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years

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Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27250203
eCl@ss 4.1	27240601
eCl@ss 5.0	27242215
eCl@ss 5.1	27242207
eCl@ss 6.0	27242207
eCl@ss 7.0	27242207
eCl@ss 8.0	27242207
eCl@ss 9.0	27242207

ETIM

ETIM 2.0	EC000236
ETIM 3.0	EC000236
ETIM 4.0	EC000236
ETIM 5.0	EC000236

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172018
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Accessories

Accessories

Drivers and interfaces

Software - AX OPC SERVER - 2985945

AX OPC SERVER, communication interface for OPC-capable visualization with PC WORX-based controls.

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Accessories

Programming cable

Connecting cable - COM CAB MINI DIN - 2400127

Connecting cable, for connecting the controller to a PC (RS-232) for PC WORX with flow control, 3 m in length

Antenna - PSI-GSM-QB-ANT - 2313135

GSM Quadband antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector

Software - IPASSIGN - 2701094

IPAssign is an easy to use tool for setting the IP address of devices which rely on BOOTP. No installation or administrative rights are required to use IPAssign.

This product is free and only available from the "Downloads" tab.