PHŒNIX CONTACT

Controller - ILC 150 VLC - 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.

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	352.8 GRM
Custom tariff number	85371091
Country of origin	Germany

Technical data

Dimensions

Width	80 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 mean sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Control system

Programming tool	Steeplechase VLC 7.2 (or higher) Control Designer

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Technical data

Mechanical design

Weight	285 g

Data interfaces

Interface	INTERBUS local bus (master)
Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud umschaltbar
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)
Transmission speed	9600 Baud
Interface	Ethernet 10Base-T/100Base-TX
Connection method	RJ45 socket
Transmission speed	10/100 MBit/s

Power supply

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

Fieldbus function

Amount of process data	max. 4096 Bit (INTERBUS)
Number of supported devices	max. 63
Number of local bus devices that can be connected	63 (observe current consumption)
Number of devices with parameter channel	max. 8
Number of branch terminals with remote bus branch	3
Module classification	INTERBUS master
Processing speed	1.5 ms

Direct I/Os

Input name	Digital inputs
Number of inputs	8
Connection method	Inline potential distributor
Output name	Digital outputs
Number of outputs	4
Connection method	2, 3, 4-wire
Maximum output current per channel	500 mA

IEC 61131 runtime system

Programming tool	Steeplechase VLC 7.2 (or higher) Control Designer

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Technical data

IEC 61131 runtime system

Processing speed	1.5 ms (1 K mix instructions)
	90 µs (1 K bit instructions)
Program memory	typ. 256 kByte (Including the mass storage)
Mass storage	256 kByte
Retentive mass storage	128 kByte (NVRAM)
Number of data blocks	depends on mass storage
Number of timers, counters	depends on mass storage
Number of control tasks	1
Realtime clock	Integrated (battery backup)

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

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

Approvals

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Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

ATEX

Approvals submitted

Approval details

UL Listed

cUL Listed

cULus Listed