Inline function terminal - IB IL PWM/2-PAC - 2861632

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Inline function terminal for pulse width and frequency modulation or activation of impulse-driven motor control parts with pulse/direction interface, two outputs for 5 V or 24 V

Product Description

Inline terminal IB IL PWM/2 offers the capability of pulse width modulation (PWM) of the output signals. It features two independently operating channels. Each of the two output signals is available as a 5 V and as a 24 V signal.
Depending on the operating mode, either the high-phase of the period, the period duration, or the frequency can be set. The following four operating modes are supported:
- Pulse width modulation
- Frequency range
- Single shot and
- Pulse/direction signal outputs

Product Features

- Maximum frequency of 50 kHz
- Pulse/direction signal output without integrated ramp function to control step motor power sections
- 2 independent channels
- Output of 5 V or 24 V signals
- Single pulse output (pulse length of 10 µs to 25.5 s can be set)
- Pulse width modulation (period length can be set in increments from 100 µs to 10 s, duty factor in 0.39% increments)
- Frequency output (frequency can be set between 0 and 50 kHz)

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	160.0 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

Ambient conditions

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)
Degree of protection	IP20

General

Mounting type	DIN rail
Net weight	165.1 g
Note on weight specifications	with connectors

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Transmission physics	Copper

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Ripple	5%
Current consumption	typ. 100 mA

Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	max. 130 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 1 A

Counter inputs

Number of inputs	0
Operating mode	PWM, frequency generator, single-shot, pulse/direction signal

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Technical data

Digital outputs

Output name	Digital output: 24 V DC
Connection method	2-wire (shielded)
Number of outputs	max. 2
Output voltage	24 V
Nominal output voltage	24 V
Maximum output current per channel	0.5 A
Maximum output current per module / terminal block	1 A
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Output name	Digital output: 5 V DC
Connection method	2-wire (shielded)
Output voltage	5 V DC
Output current	10 mA (5 V); 500 mA (24 V)
Maximum operating frequency with ohmic nominal load	50 Hz

Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404

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Classifications

UNSPSC

UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Listed / cUL Listed / LR / ABS / RINA / BSH / BV / BSH / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

cUL Listed

LR

ABS

RINA

BSH

BV

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Approvals

BSH

cULus Listed

Accessories

Accessories

Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664

Connector set

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm

Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

Drawings

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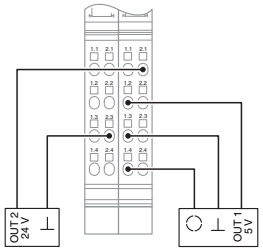
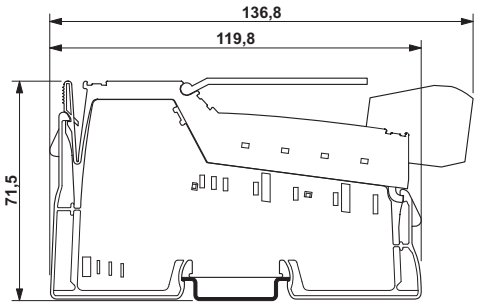
Connection diagram



Dimensional drawing



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- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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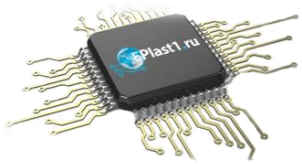
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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