

## 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  $\mu$ s to 25.5 s can be set)
- Pulse width modulation (period length can be set in increments from 100  $\mu$ s 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

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

## Technical data

### Note

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

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

### Approvals

BSH

cULus Listed 

### Accessories

#### Accessories

##### Connector set

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



Connector set

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#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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#### 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

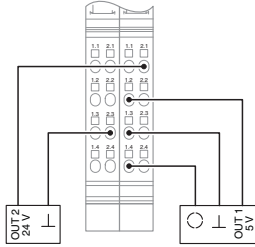


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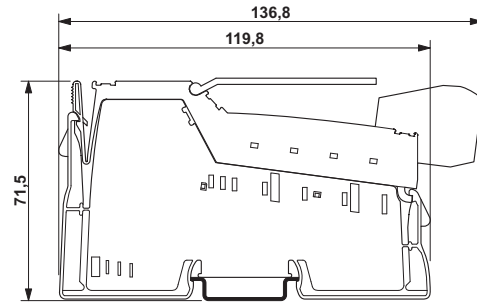
### Drawings

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

Connection diagram



Dimensional drawing



## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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