


IB IL PWM/2-PAC

Order No.: 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

Commercial data	
GTIN (EAN)	 4 017918 948313
sales group	K413
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 301 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
11/27/2007



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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

Function blocks are available for integrating the above-mentioned function terminals in PC WorX and STEP 7.

Technical data

General data

Weight	130 g
Number of connectors	2
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Connection data	Inline connectors Spring-cage connection 0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ² 28 16
Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

Interfaces

Interface	Inline local bus
Type of connection	Inline data jumper
Transmission speed	500 kBit/s
Transmission physics	Copper

Power supply

Typical current consumption	100 mA
I/O voltage	24 V DC (via voltage jumper)
Ripple	5 %
Peripherals voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)

Electrical isolation

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min

Counter input

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

Control input

Number of inputs	0
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Outputs

Number of outputs	2
Connection method	2-wire (shielded)
Output voltage	5 V DC
Output current	10 mA (5 V); 500 mA (24 V)

Inline potential routing

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

Certificates / Approvals



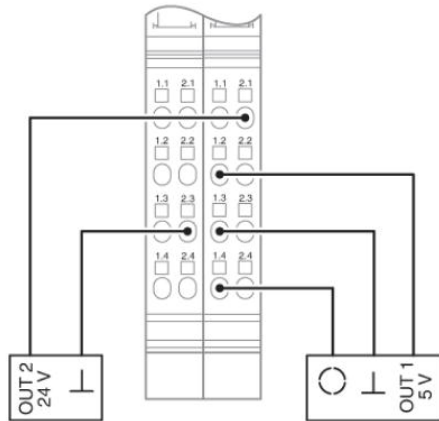
Certification: ABS, DNV, GL
 Certifications applied for: UL Listed / CUL Listed / LR / BV

Accessories

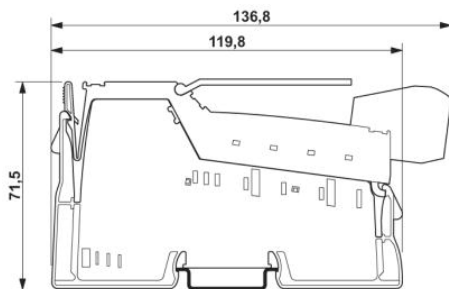
Item	Designation	Description
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
Plug/Adapter		
2732664	IB IL AO/CNT-PLSET	Connector set

Diagrams/Drawings

Connection diagram



Dimensioned drawing



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