

CONPROSYS Series Ether CAT Slave Module CPS-ECS341-1-011



* Specifications, color and design of the products are subject to change without notice.

Features

Add configurable modules

This product allows you to install modules from a wide variety of types to suit the needs of the user.

* Up to 16 modules can be set and the total current consumption should be less than 3.3A.

No base board required

As the product requires no base board for installation, it helps add modules easily and smoothly.

Installed modules can be removed from any set positions on DIN rail.

Compact design

Compact design, 44.7(W)×94.7(D)×124.8 (H), features flexibility in installation.

Adaptable to a temperature range between -20 and +60°C

The product is capable of operating in the temperature between -20 and + 60°C. It can be installed in the various environments.

Equipped with LED for an operation check

The product has LED for an operation check, which helps you visually confirm the communication status of each interface.

No electrolytic capacitor battery

No electrolytic capacitor is used. The Contec is creating the product with a longer life.

Packing List

Product [CPS-ECS341-1-011] ...1
End Cover...1 (attached to the product)
Product Guide ... 1
Warranty Certificate ...1
Serial number Label ...1
3-pin Connector ...1

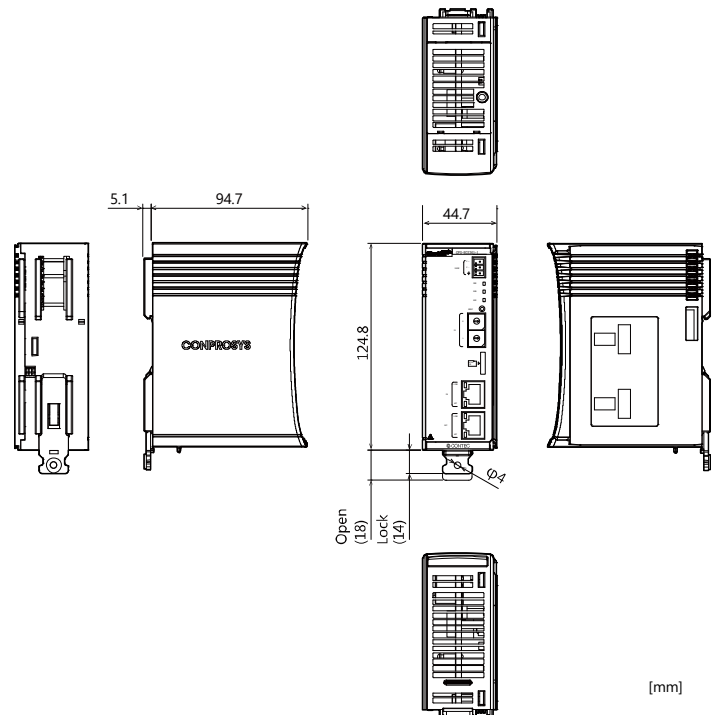
※ Use the supplied plastic DIN rail when connecting this product and a module on a desk top for system development or validation. If you use the supplied plastic DIN rail in the field, it cannot be covered by warranty. Therefore, when you set the product and module in the field, use the commercially available DIN rail.

This product is an EtherCAT slave controller with EtherCAT interface.

As you desire, add the configurable type modules of our CONPROSYS series.

* The contents in this document are subject to change without notice.
* Visit the CONTEC website to check the latest details in the document.
* The information in the data sheets is as of July, 2022.

External Dimensions



[mm]

List of Option

DIN rail mounting power supply

CPS-PWD-90AW24-01 DIN rail fitting power supply 90[w]
(Input: 100 - 240VAC, output: 24VDC 3.8 A)
CPS-PWD-30AW24-01 DIN rail fitting power supply 30[w]
(Input: 100 - 240VAC, output: 24VDC 1.3 A)

Configurative Device

CPS-DIO-0808L with digital input/output (no built-in power supply)
CPS-DIO-0808BL with digital input/output (built-in power supply)
CPS-DIO-0808RL with digital input/output (current source)
CPS-DI-16L with digital input (16ch, current sink)
CPS-DI-16RL with digital input (16ch, current source)
CPS-DO-16L with digital output (16ch, current sink)
CPS-DO-16RL with digital output (16ch, current source)
CPS-COM-1PC with RS-232C (contains 1port)
CPS-COM-2PC with RS-232C (contains 2 ports)
CPS-COM-1PD with RS-422A/485 (1channel)

CPS-COM-2PD	with RS-422A/485 (2 channels)
CPS-AI-1608LI	with analog input (voltage input 8 channels)
CPS-AI-1608LI	with analog input (current input 8 channels)
CPS-AO-1804LI	with analog output (current output 4 channels)
CPS-AO-1804LI	with analog output (voltage output 4 channels)
CPS-CNT-32021	with counter input
CPS-RRY-4PCC	with Relay output
CPS-SSI-4P	with temperature sensor input

* Visit the Contec website for the latest optional products.

Specification

Function specification

Item		CPS- ECS341-1-011
EtherCAT	Transmission standard	100BASE-TX
	The number of channels	IN 1 port, OUT 1 port
	Connector	RJ-45 connector
	LED	Act (Yellow), Link (Green)
Operating mode		FreeRun mode
Address		Auto increment addressing
Process data		PDO mapping, SDO
Corresponding profile		CoE, FoE
Maximum numbers of stacking		16
LED		Power (Green)/RUN (Green)/Error(Red)
Switch		Reset SW, Rotary SW
Power supply *1	Rated input voltage	24VDC
	Input voltage range	21.6 - 26.4VDC
	Power consumption	Controller alone: 24V 0.2A (Max) With module(s): 24V 3.5A (Max)
	Connector	2-piece 3.5mm pitch 3-pin terminal (V+, V-, FG)
	Surge protection element	Interactive TVS diode Stand off voltage: $\pm 30V$, Peak pulse power: 400W(1msec)
Physical dimensions (mm)		44.7(W) \times 94.7(D) \times 124.8(H) (No projection included)
Weight		250g
Installation method		Quick mounting on the 35mm DIN rail

*1 Use power cable within 3meters.

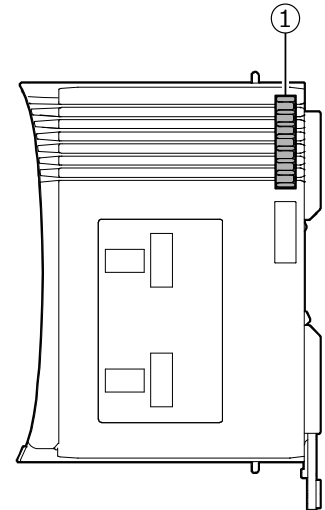
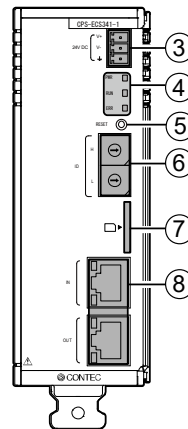
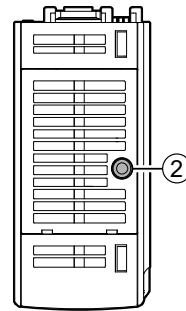
Installation Environment Requirements

Item		CPS-ECS341-1-011
Operating ambient temperature		-20 - +60°C
Operating ambient humidity		10 - 90%RH (No condensation)
Non-operating ambient temperature		-20 - +60°C
Non-operating ambient humidity		10 - 90%RH (No condensation)
Floating dust particles		Not to be excessive
Corrosive gases		None
Line-noise resistance	Line noise	AC Line/ $\pm 2kV$ *2 Signal Line/ $\pm 1kV$ (IEC61000-4-4 Level 3, EN61000-4-4 Level 3)
	Static electricity resistance	Touch / $\pm 4kV$ (IEC61000-4-2 Level 2, EN61000-4-2 Level 2) Air / $\pm 8kV$ (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)
Vibration resistance		10 - 57Hz *3 /semi-amplitude vibration 0.15mm, 57 - 150Hz/2.0G 40minutes each in X, Y, and Z directions (JIS C60068-2-6-compliant, IEC60068-2-6-compliant)
Shock resistance		15G half-sine shock for 11ms in X, Y, and Z directions (JIS C 60068-2-27-compliant, IEC 60068-2-27-compliant)
Grounding		Class D grounding (previous class 3 grounding), SG-FG/ non-conduction
Standard		VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA, UL/c-UL

*2 When the optional power product is used.

*3 When the optional power product is used: 10 - 55Hz (See the manual of optional power product for details)

Component Name



No.	Name	Function
1	Stack Bus	Used for power supply and communication with the configurable type module.
2	Maintenance Connector	Do not use it.
3	Power Connector	Use the 3-pin connector, included in the package.
4	LED Indicator	This indicates status of the product.
5	Reset Switch	This resets the product.
6	Rotary Switch	Used for user setup.
7	micro SD Card Slot	Do not use this. (maintenance purpose only)
8	EtherCAT	This is a port for EtherCAT.