

ECS Hardware Reference Manual



ETHERCAT **COUPLER** MODULE

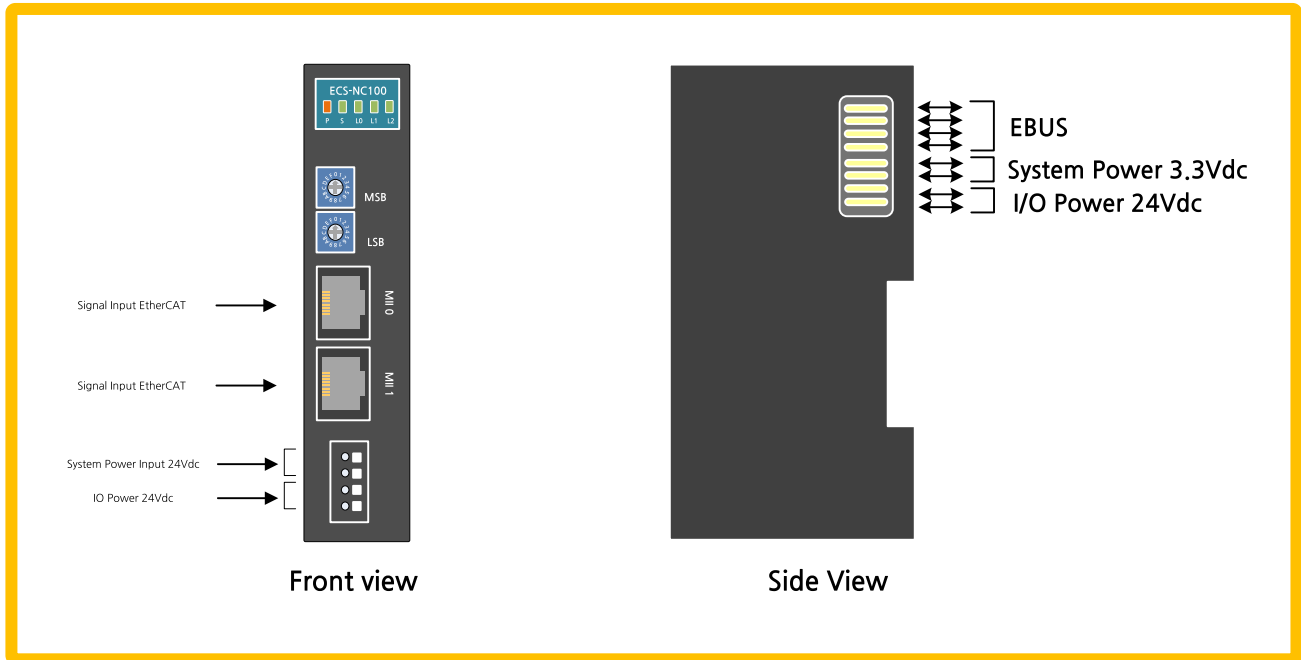
ECS-NC100

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개요

ECS Series - ECS-NC100 (EtherCAT Coupler)

ECS-NC100는 EtherCAT 기반 제어기인 ECS Series의 Coupler 모듈입니다.

각 채널의 내부 제어신호와 외부 입출력 신호는 ISOLATOR를 사용하여 절연됩니다.

본 매뉴얼은 ECS-NC100의 하드웨어 구성과 기능에 대해 설명하는 하드웨어 매뉴얼 입니다.

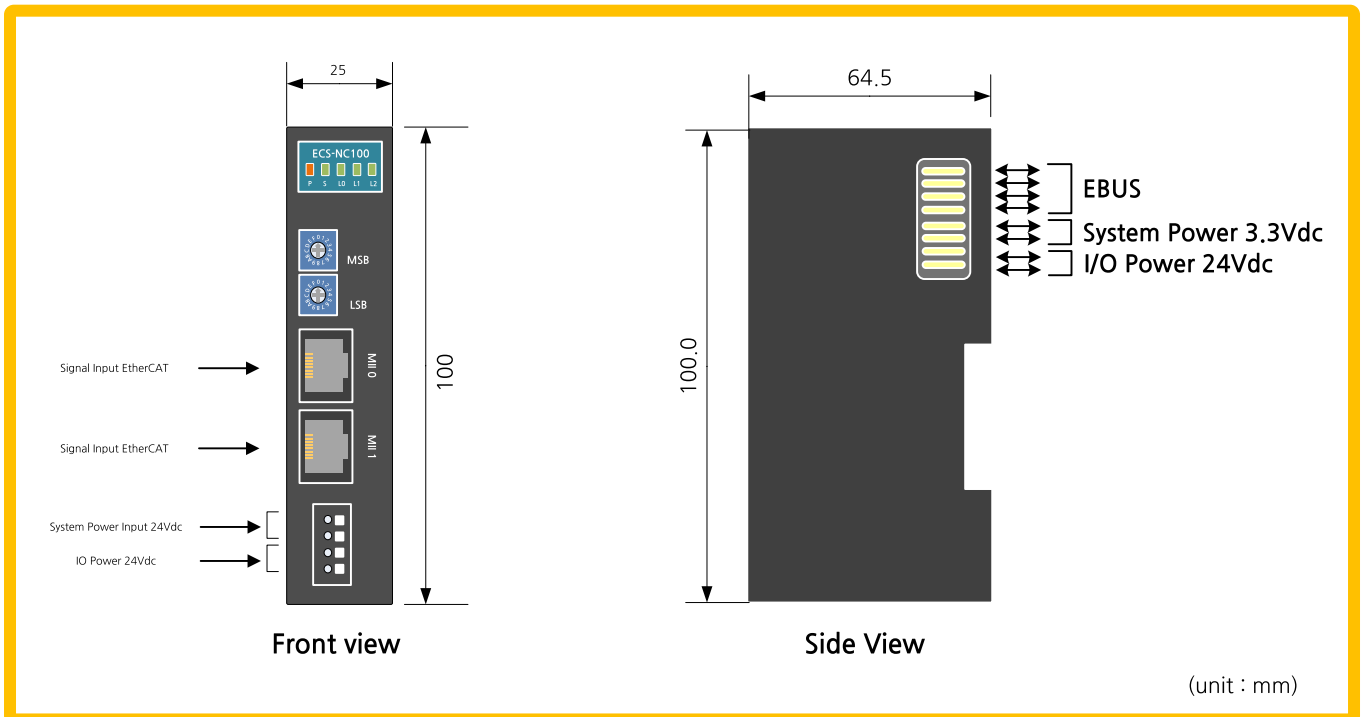
제품사양

▣ General Specification

ITEM	Details
System Power	24Vdc nominal
Power Dissipation	50mA typical @ 24 dc
Current for I/O Module	3A @ 3.3 Vdc
Field Power (I/O)	Supply voltage L 24dc nominal

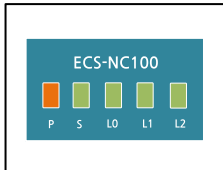
▣ Environmental Specification

Contents	Details
Dimension	65 * 100 * 25 (mm)
Install	Industrial DIN rail
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 80°C
Operating Humidity Range	5% ~ 90%, non-condensing
Storage Humidity Range	5% ~ 90%, non-condensing



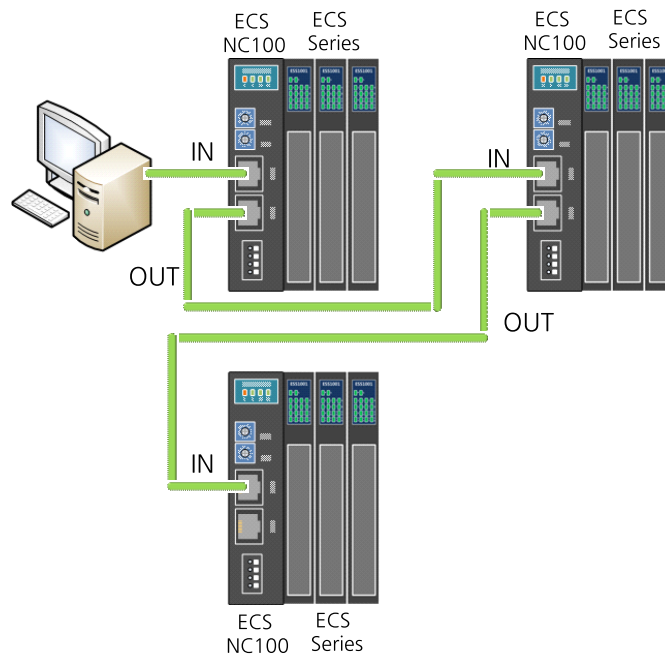
Dimension

Indicators

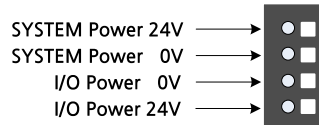


P	SYSTEM POWER LED	ON	SYSTEM POWER(3.3V DC) ON
		OFF	SYSTEM POWER(3.3V DC) OFF
S	EtherCAT AL STATE LED	OFF	INIT
		Blinking(slow)	PRE-OP
		Single Flash	SAFE-OP
		ON	OP
		Flickering(fast)	BOOTSTRAP
L0	MII Port1 (In)	ON	Former EtherCAT device is connected
		OFF	No Connection
		Flashes	Communication with former EtherCAT Device
L1	EBUS	ON	Following EtherCAT device is connected
		OFF	No Connection
		Flashes	Communication with following EtherCAT Device
L2	MII Port2 (Out)	ON	Following EtherCAT device is connected
		OFF	No Connection
		Flashes	Communication with following EtherCAT Device

Interface Connect



Pin Description



Hardware Reference Manual Update List

No.	Version	Date	Changes in
1			First Edition
2	1.01	2016.02.29	글꼴변경 (나눔고딕, 굴림)

ECS Reference Manual

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