



EC4-R8

EtherCAT SubDevice Slim Module with
Isolated 8-ch Relay DO

Features

- Interface: EtherCAT
- Removable terminal-block connector
- LED indicators for the I/O status
- Built-In isolated 8-channel Relay outputs
- Configurable Power-on Value Settings
- Keep output values after state machine change (selectable)



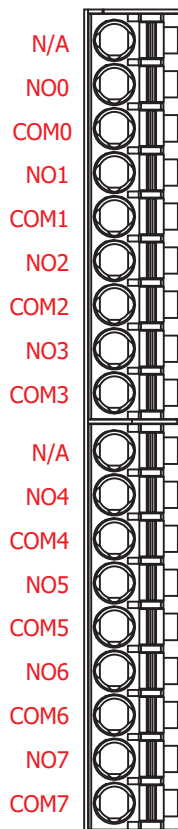
Introduction

The EC4-R8 is an industrial I/O module designed with a slim-type form factor, featuring 8 isolated Relay output channels. It features the EtherCAT protocol, providing a system with higher scalability and fewer cables. Users can check the current output status through LED indicators on the enclosure. In addition, the module has passed the test and verification of the conformance testing tool. It is also compatible with various standard EtherCAT MainDevices to enable diversified applications.

Specifications

EMS Protection	
ESD (IEC 61000-4-2)	±8KV (Air for Random Point)
Relay Output	
Channels	8
Type	Form A
Contact Rating	3 A @ 250 VAC , 3 A @ 30 V _{DC}
Operate Time	10ms Max.
Release Time	5ms Max.
Electrical Endurance	1 x 10 ⁵ ops
Mechanical Endurance	2 x 10 ⁷ ops
Isolation	3000V _{DC}
EtherCAT	
Cycle Time	100 μs
Distributed Clocks	Yes
Power	
Input Range	+24 V _{DC}
Consumption Mechanical	2.5 W
Mechanical	
Casing	Plastic
Dimensions (mm)	25 x 108 x 73 (W x L x D) (excluding terminals)
Installation	DIN-Rail or Wall Mounting
Environment	
Operating Temperature	-25 ~ +70°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

Pin Assignments



Applications

Create your own I/O module

Maximize your I/O system and applications in limited space



▲ PAC/PLC (EMP-905X)

EtherCAT

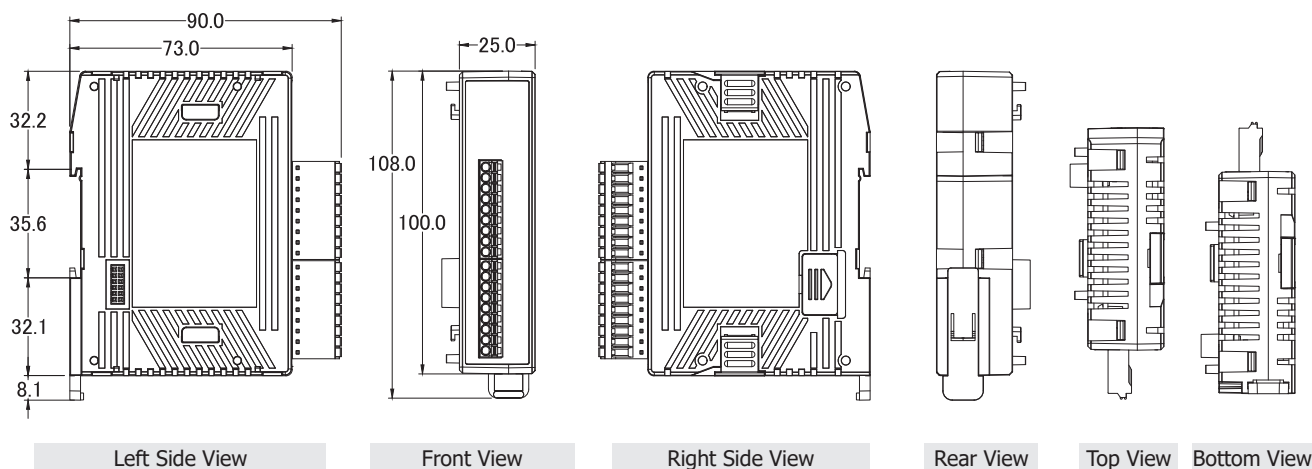
Digital I/O
Analog I/O
Strain measurement
Temperature measurement
Motion Control
Communication coupler



Wire Connections

Output Type	ON State Readback as 1	OFF State Readback as 0
Relay Output		

Dimensions (Units: mm)



Ordering Information

EC4-R8 CR	EtherCAT SubDevice Slim Module with Isolated 8-ch Relay DO (RoHS)
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