

Ezi-IO EtherCAT is a Digital I/O module supporting EtherCAT, a fieldbus based on high speed Ethernet (100Mbps, Full-Duplex). EtherCAT enables fast data transfer with peripheral devices and supports connection of various devices without topology limitation.

Their main characteristics are :

- EtherCAT Based Digital I/O Module
- Simple and Easy Wiring (e-CON / Terminal Block type)
- Various 16CH & 32CH I/O Module (NPN / PNP type)
- Digital I/O Photocoupler Isolation

Technical Data

Model		Ezi-IO-EC-116N-X	Ezi-IO-EC-116P-X	Ezi-IO-EC-016N-X	Ezi-IO-EC-016P-X	Ezi-IO-EC-1808N-X	Ezi-IO-EC-1808P-X
Input Voltage		24 VDC ±10%					
Current Consumption		Max. 150mA (Except I/O current)					
Operating Condition	Ambient Temperature	In use : 0 - 50°C / In storage : -20 - 70°C					
	Humidity	In use : 35 - 85% RH (Non-Condensing) / In storage : 10 - 90% RH (Non-Condensing)					
	Vib.Resist	0,5g					
Function	Input Signal	- 16CH Input (Photocoupler Input, NPN/PNP) - 24VDC - Max. 15mA/CH		-		- 8CH Input (Photocoupler Input, NPN/PNP) - 24VDC - Max. 15mA/CH	
	Output signal	-		- 16CH Output (FET Output, NPN/PNP) - 24VDC - Max. 200mA/CH		-	
	Signal Isolation Method	No Isolation					
LED Display		- Power status (PWR) - EtherCAT Communication status (RUN) - EtherCAT Communication connection status (ECAT IN, ECAT OUT) - I/O status (0~15)					
EtherCAT	Synchronization	Free RUN, SM Event					
	Bus Interface	2×RJ45 connector					
	Cable	STP (Shielded Twisted Pair) cable of category 5e or higher / Max. Length 100m					

X : Connector Type

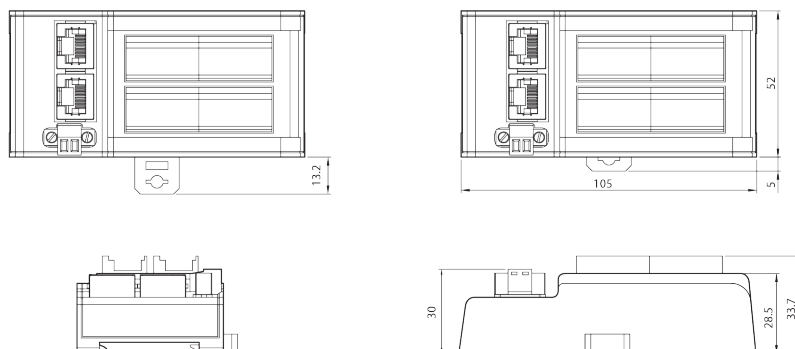
SPECIFICATIONS

Model		Ezi-IO-EC- I32N-X	Ezi-IO-EC- I32P-X	Ezi-IO-EC- O32N-X	Ezi-IO-EC- O32P-X	Ezi-IO-EC- I16O16N-X	Ezi-IO-EC- I16O16P-X
Input Voltage		24VDC \pm 10%					
Current Consumption		Max. 300mA (Except I/O current)					
Operating Condition	Ambient Temperature	In use : 0 - 50°C / In storage : -20 - 70°C					
	Humidity	In use : 35 - 85% RH (Non-Condensing) / In storage : 10 - 90% RH (Non-Condensing)					
	Vib.Resist	0,5g					
Function	Input Signal	- 32CH Input (Photocoupler Input, NPN/ PNP) - 24VDC - Max. 15mA/CH		-		- 16CH Input (Photocoupler Input, NPN/ PNP) - 24VDC - Max. 15mA/CH	
	Output signal	-		- 32CH Output (FET Output, NPN/ PNP) - 24VDC -,Max. 200mA/CH		-	
	Signal Isolation Method	Photocoupler Isolation					
LED Display		- Control Power status (PWR) - EtherCAT Communication status (RUN) - EtherCAT Communication connection status (ECAT IN, ECAT OUT) - I/O status (0~31)				- Control Power status (PWR) - EtherCAT Communication status (RUN) - EtherCAT Communication connection status (ECAT IN, ECAT OUT) - I/O status (0~15/0~15)	
EtherCAT	Synchronization	Free RUN, SM Event					
	Bus Interface	2×RJ45 connector					
	Cable	STP (Shielded Twisted Pair) cable of category 5e or higher / Max. Length 100m					

X : Connector Type

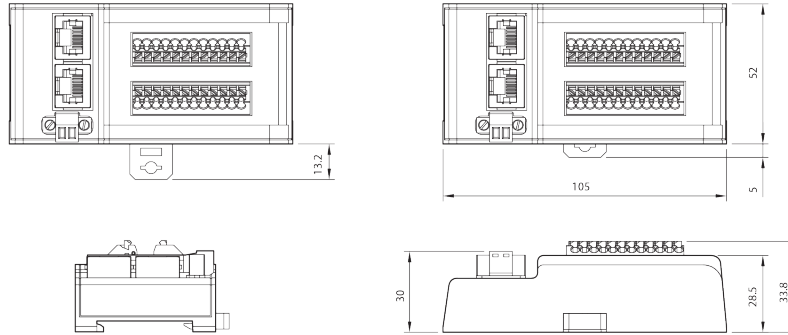
DRAWING

◆ Ezi-IO-EC-■16□-E / Ezi-IO-EC-I808□-E Series

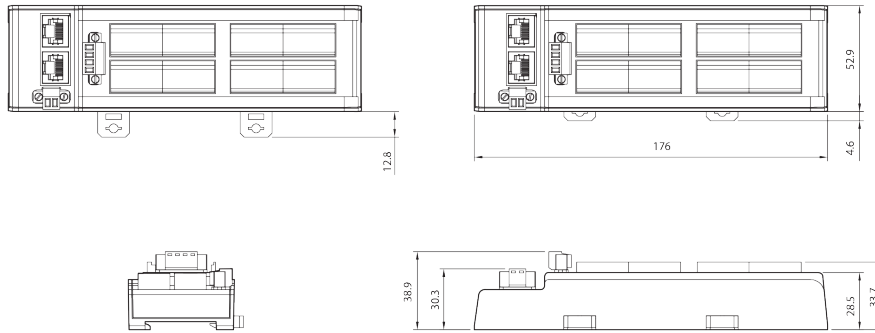


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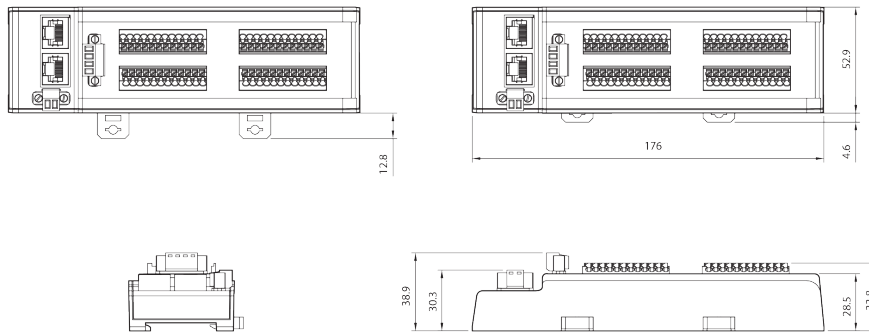
◆ Ezi-IO-EC-■16□-T / Ezi-IO-EC-I808□-T Series



◆ Ezi-IO-EC-■32□-E / Ezi-IO-EC-I16016□-E Series



◆ Ezi-IO-EC-■32□-T / Ezi-IO-EC-I16016□-T Series



*■ : Input / Output Type
 □ : NPN / PNP Type
 * Can be installed on 35mm DIN Rail.

PART NUMBER COMPOSITION

Ezi-IO EC-I16N-E-X

① ② ③ ④

① Drive Series Type
 EC : EtherCAT

② Input/Output Type
 I16N : 16CH IN / NPN
 I16P : 16CH IN / PNP
 O16N : 16CH OUT / NPN
 O16P : 16CH OUT / PNP
 I808N : 8CH IN & 8CH OUT / NPN
 I808P : 8CH IN & 8CH OUT / PNP
 I32N : 32CH IN / NPN
 I32P : 32CH IN / PNP
 O32N : 32CH OUT / NPN
 O32P : 32CH OUT / PNP
 I16016N : 16CH IN & 16CH OUT / NPN
 I16016P : 16CH IN & 16CH OUT / PNP

③ Connector Type
 E : e-CON
 T : Terminal Block

④ User Code

In accordance with our policy of continual product improvement, A2V reserves the right to amend the specification of these products without prior notification