KNC-PLC-K615S CPU

FEATURES

- ***Digital Inputs: 8 Channels, Source/Sink (PNP/NPN)***
- ***Digital Outputs: 8 Channels, Transistor (PNP)***
- ***Supports 3 Channels of High-Speed Input at 200KHz, 1 Channel at Single-Phase 20KHz/Double-Phase 10KHz***
- ***Supports 3 Channels of High-Speed Output at 200KHz, 1 Channel at Maximum 10KHz***
- ***Communication Interfaces: Ethernet (1), RS485 (2), CAN (1)***
- ***Support Connecting Up to 16 K6S-Series Expansion Modules***
- ***Power Supply: 24VDC***

DESCRIPTION

The KNC-PLC-K615S CPUs are offered with 8 Source/Sink inputs and 8 Transistor outputs. The optional expansion modules are attached to the KNC-PLC-K615S CPU to expand beyond the onboard outputs. The KNC-PLC-K615S CPUs can handle up to 272 I/O points with a maximum of 16 K6S expansion modules. If a user were to select the KNC-PLC-K615S along with 16 PLC KNC-PLC-K622S-16DT units, the user would achieve the maximum 272 I/O points within the constraint of 16 expansion modules. The KNC-PLC-K615S modules come with transistor outputs with a sourcing configuration and source/sink inputs that can handle voltages up to 30 VDC. The transistor output modules are opto-isolated for unit protection.

SPECIFICATIONS

Parameter	KNC-PLC-K615S-16DT
Output Points	8
Output Type	Transistor (PNP)
Output Voltage	Rated: 24 VDC
Output Current/ Channel	300 mA @ 24 VDC
Input Points	8
Input Type	Source/Sink
Input Voltage	Rated: 24 VDC Maximum Allowable up to 30 VDC
High-Speed Input	4 channels of high-speed pulse input, support AB phase, P (pulse)/D (direction) mode. For 3 channels, the maximum frequency is 200KHz; For 1 channel, the maximum frequency is 20KHz for single-phase or 10KHz for double-phase.
High-Speed Output	4 channels of high-speed pulse output, support PWM function. For 3 channels, the maximum frequency is 200KHz (load current greater than 20mA); For 1 channel, the maximum frequency is 10KHz.
RS485	2 RS485 (isolated, integrated termination resistor). Support programming protocols, Modbus RTU master and slave, and free communication.
Ethernet	1 Ethernet, support Modbus TCP Client/Server industrial bus protocol. Support free transmission in TCP client/TCP server mode, free transmission in UDP peer mode, program upload/download, and firmware upgrades.
CAN	1 CAN (RJ45, with terminal resistor) Support CANOPEN, free communication in CAN, supports Kinco motion control functions, and Kinco motion control protocol supports a maximum of 16 connected nodes.
Module Width	38 mm

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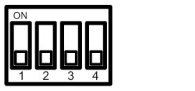
EXPANSION

(Example of Expansion Modules Connected Together)

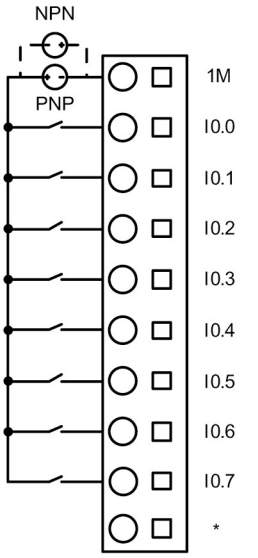
WIRING DIAGRAM

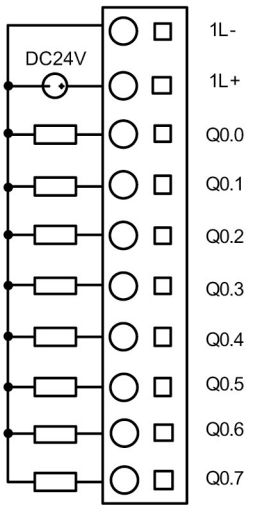
KNC-PLC-K615S-16DT

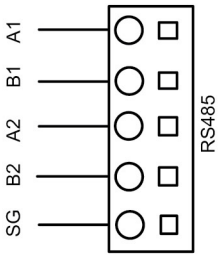


DIP switch

NO.	Description	Function
1	Terminal resistor (RS485PORT1)	ON:Enable resistor
2	Terminal resistor (RS485PORT2)	ON:Enable resistor
3	Terminal resistor (CAN)	ON:Enable resistor
4	PLC Run/Stop	ON:RUN OFF:STOP



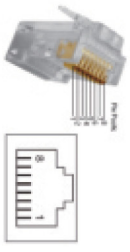




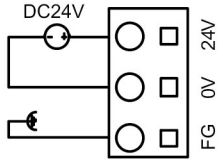
CAN

CAN (in RJ45)

	Pin	Function
CAN	1	CAN_H
	2	CAN_L
	3	CAN_GND



Ethernet



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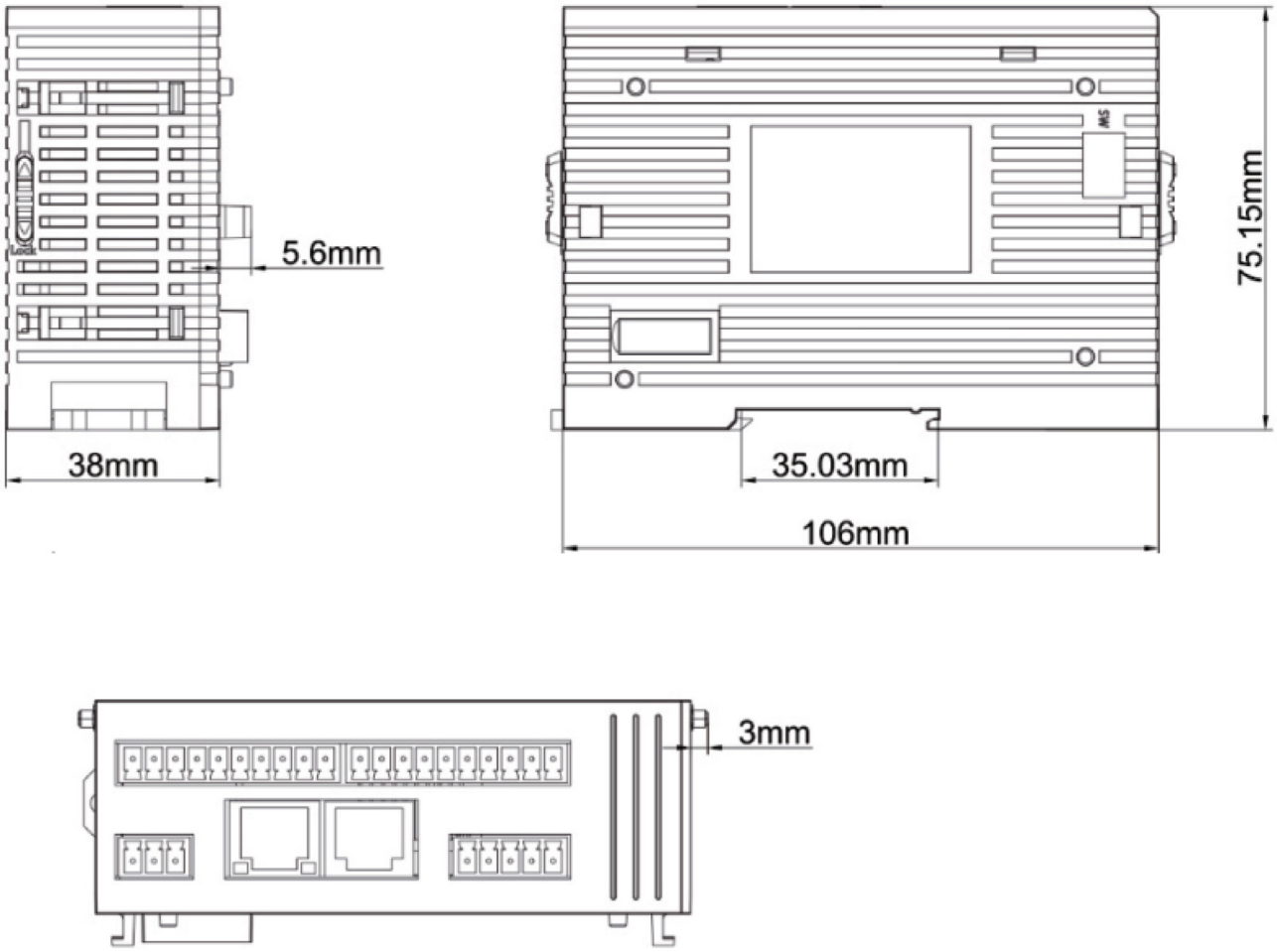
DIMENSIONS

KNC-PLC-K615S-16DT



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