K615S *CPU*

Kinco

- *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 K615S CPUs are offered with 8 Source/Sink inputs and 8 Transistor outputs. The optional expansion modules are attached to the K615S CPU to expand beyond the onboard outputs. The 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 K615S along with 16 PLC K622S-16DT units, the user would achieve the maximum 272 I/O points within the constraint of 16 expansion modules. The 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

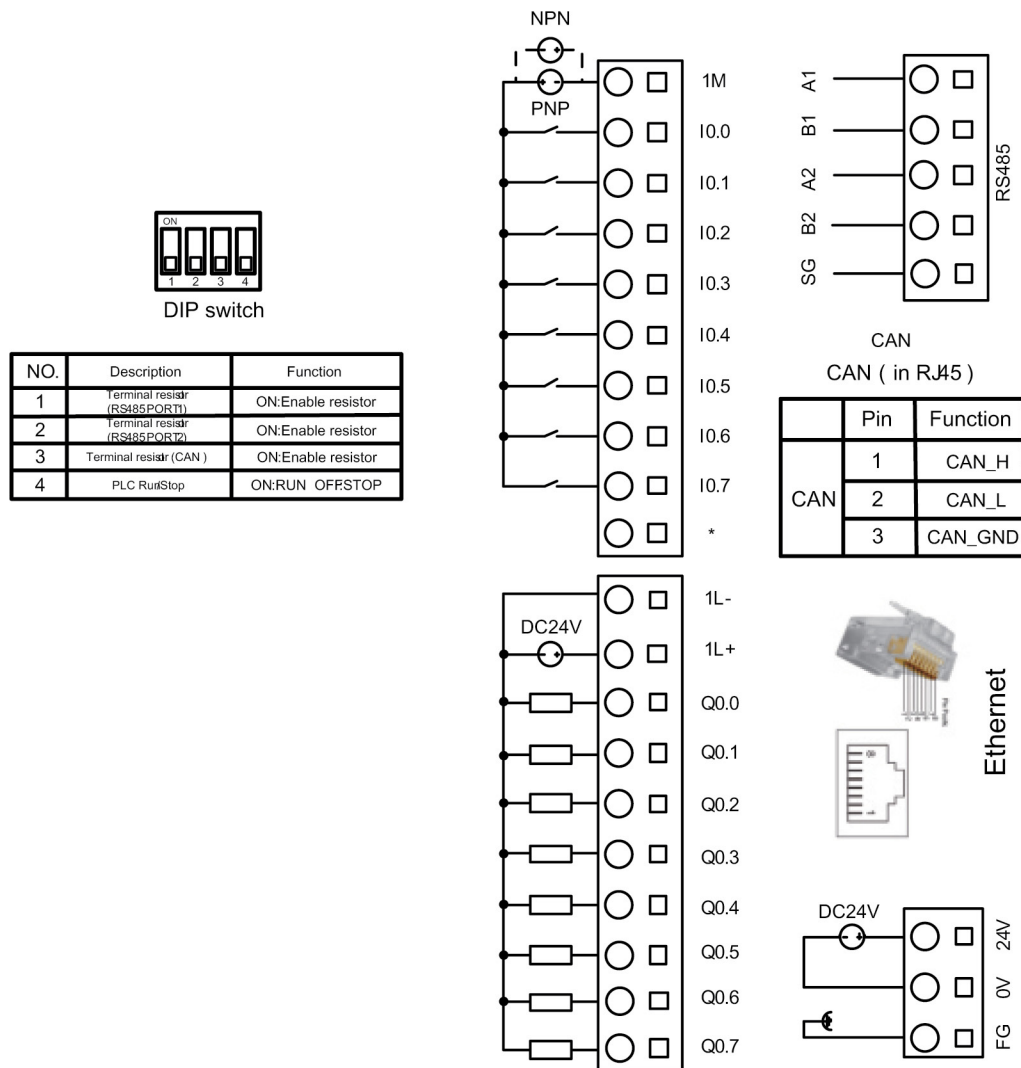| Parameter	K615S-16DT
Output Points	8
Output Type	Transistor (PNP)
Output Voltage	Rated: 24 VDC
Output Current/ Channel	300 mA @ 24 VDC
Input Points	8
Input Type	Source/Sink
Input Voltage	Rated: 24 VDC Maximum Allowable up to 30 VDC
High-Speed Input	4 channels of high-speed pulse input, support AB phase, 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

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

NPN
PNP

| 1M |
| I0.0 |
| I0.1 |
| I0.2 |
| I0.3 |
| I0.4 |
| I0.5 |
| I0.6 |
| I0.7 |
| * |

| A1 |
| B1 |
| A2 |
| B2 |
| SG |

RS485

CAN
CAN (in RJ45)

	Pin	Function
CAN	1	CAN_H
	2	CAN_L
	3	CAN_GND

DC24V

| 1L- |
| 1L+ |
| Q0.0 |
| Q0.1 |
| Q0.2 |
| Q0.3 |
| Q0.4 |
| Q0.5 |
| Q0.6 |
| Q0.7 |

Ethernet

DC24V

| 24V |
| 0V |
| FG |

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DIMENSIONS

K615S-16DT

5.6mm

38mm

75.15mm

35.03mm

106mm

3mm