U900

Introduction

The U900 I/O expansion module has been specifically designed to minimize the number of connections and plugs needed to connect demanding applications such as Boom Lift Mobile Elevating Work Platforms. The U900 has been conceived as a building block element - connecting a variety of digital and analog machine interfaces such as joysticks, toggles, indicators, sensors, limit switches, pushbuttons, e-stop, alarms, valves and controlling them through a CAN bus system.



- 100+ channel IOs
- Support Analog current & analog voltage multiplex input
- 12 channels PWM with current feedback and closed-loop control

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- 8 channels PWM with current status feedback
- 2 channel CAN output





System Voltage	12V or 24V DC
Voltage Range	9~36VDC
Operating Temperature	-35 °C to 70 °C
Storage Temperature	-40 °C to 85 °C
EMC	EN61326-6-4 EN61000-6-4

Electrical Control Unit Port

Connector	Туре	Qty	Connector Brand
J8 J23 J24 J25	C4201WVA-2x2P-V0-WH-GX	4	Changjiang
J1 J2 J3 J6 J201	C4201WVA-2x8P-V0-WH-GX	5	Changjiang
J4 J5 J202 J203 J204	C4201WVA-2x10P-V0-WH-GX	5	Changjiang
J27	DG381S-3.81-02P-14-00A(H)	1	Phoenix
JP1	77311-462K04LF	1	FCI/Amphenol

Note: the connector position refers to customer drawing.



Port Type Summary

Туре	Qty	Characteristic
Analog input	10	0-5V
	7	0-25mA
	2	0-15V or 0-25mA
Digital input	35	5VDC/0VDC
	16	24VDC/0VDC
Pulse input	1	0-10KHz
Analog input or digital input	2	0-5V
PWM/DI input	3	24VDC@4A
Digital output	1	24VDC@1A
	2	5VDC@15mA
PWM output	20	24VDC@4A
24V power output	1	24V@0.1A
5V power output	9	5V@0.5A



DIMENSIONS

All dimensions are in inches [millimeters]





U900-VR1

 Part Number
 Product
 Description

 U900-VR1
 U900
 I/O Expansion Module

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