

CONTROLLERS

Experion® PKS C300 Controller

Honeywell's C300 Controller provides powerful and robust process control for the Experion® platform. The C300 is part of the product family that operates Honeywell's field-proven and deterministic Control Execution Environment (CEE) software.

Overview



Feedback

Overview

The Experion PKS C300 controller forms the heart of the Experion control system, and is ideal for implementation across all industries, with best-in-class process control capabilities and security. It supports a wide variety of process control applications, including continuous and batch processes, and integration with smart field devices. The C300 controller also supports advanced process control, as well as custom algorithm blocks that let users create custom code to run in the C300 controller.

What Is It?

The C300 is secure out-of-the-box DCS controller with embedded cybersecurity that supports compliance, reduces risks, and improves availability. It operates Honeywell's deterministic Control Execution Environment (CEE) software which executes control strategies on a constant and predictable schedule and transparently integrates standard and open communication protocols: Ethernet IP, Profinet, FOUNDATION™ Fieldbus, HART®, IEC61850, OPC UA, Profibus® and Modbus, addressing the requirements of a wide range of applications.

What Problems Does It Solve?

The C300 controller provides the means to overcome the increasing complexity of control systems, reduce Cyber risks and significantly improves the operational and lifecycle support aspects for control systems, as it offers :

- Robust and scalable Control Platform for a wide range of control applications addressing the most demanding process control requirements.
- A new paradigm for process control with IO & Control HIVE enabling maximum flexibility, scalability, standardization, optimization, and resiliency
- Best-in-class security ensuring safe and secure operations
- Facilitates modular and parallel project execution
- Maximized process uptime and minimized maintenance effort with robust diagnostics and innovative redundancy schemes
- Improved engineering productivity and maintenance using the rich function libraries provided in the intuitive user environment Seamless integration of smart field devices and controllers via standard protocols.

Product Number

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PART NUMBER	DESCRIPTION
51109516-101	FAN POWER CABLE (10 FEET)
51109516-501	FAN POWER CABLE (15 FEET)
51121311-100	SERIES C DUAL CAB INTERNAL KIT
51121311-200	KIT, SERIES C STD SGL CABINET HARDWARE
51121575-100	Fuse, Class CC, Type T, 600V, 10A
51153818-101	JUMPER KIT, BLUE/VIOLET JUMPERS 1-10
51153818-102	JUMPER KIT, BLUE/VIOLET JUMPERS 11-20
51153818-103	JUMPER KIT, VIOLET JUMPERS 21-30
51153818-104	JUMPER KIT, VIOLET JUMPERS 31-40
51153818-201	JUMPER KIT GRAY JUMPERS 1-10

Feedback