CX2500-0030

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	cx2500-0030
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Interfaces	2 x RS232
Connection Type	2 x D-sub 9-pin
Power Supply	via system bus (through CX2100-0xxx power supply modules)
Dimensions	24 mm x 99 mm x 54.5 mm
Waga	205 g
Operating Temperature	-25°C to +60°C
Storage Temperature	-40°C to +85°C
Vibration/Shock Resistance	Conforms to EN 60068-2-6/EN 60068-2-27
EMC Immunity/Emission	Conforms to EN 61000-6-2/EN 61000-6-4
Protection Class	IP20

Description

The Beckhoff CX2500-0030 is a system interface module designed to expand the CX20xx series embedded PCs by adding two RS232 serial interfaces. This module is ideal for applications requiring additional serial communication capabilities, such as industrial automation systems, process control, and data acquisition.

The CX2500-0030 connects to the CPU via a multi-pin connector and utilizes PCI Express® for internal communication. It supports up to four modules in any order for the CX20xx family, and one module can be connected to CX52x0, CX53x0, or CX56x0 systems.

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Key features include two D-sub 9-pin connectors for RS232 interfaces, power supply through the system bus via CX2100-0xxx power supply modules, and a maximum power loss of 2 W. The module operates within a temperature range of -25°C to +60°C and has a storage temperature range of -40°C to +85°C.

It conforms to EN 60068-2-6 and EN 60068-2-27 standards for vibration and shock resistance, and meets EN 61000-6-2 and EN 61000-6-4 standards for EMC immunity and emission. The protection class is IP20, and the module weighs approximately 205 g. For more detailed information, refer to the official Beckhoff documentation.