

CSB01.1C-ET-ENS-EN2-L2-S-NN-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	csb011c-et-ens-en2-l2-s-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Servo Drive Controller
Encoder Option 1	IndraDyn/Hiperface/1Vpp/TTL
Encoder Option 2	EnDat 2.1/1Vpp/TTL
Master Communication	Undefined
Power Consumption	8.5 W
Inrush Current	1.5 A

Description

The Indramat CSB01.1C-ET-ENS-EN2-L2-S-NN-FW is a high-performance servo drive controller engineered for precise motor speed and position control in advanced industrial systems. Designed for single-axis applications, this controller features a fully configurable architecture, allowing seamless integration into various automation setups. It supports dual encoder options: IndraDyn/Hiperface/1Vpp/TTL and EnDat 2.1/1Vpp/TTL, ensuring compatibility with a wide range of feedback devices. The master communication interface is undefined, providing flexibility for integration into Multi-Ethernet or other Ethernet-based topologies. The unit operates with a power consumption of 8.5 watts and manages an inrush current of 1.5 amperes, making it suitable for energy-efficient operations. Safety features include Safe Torque Off (STO) functionality, enhancing operational safety by preventing unintended motor start-ups. The controller is designed for easy integration with compatible power sections and modules, offering a rugged design and modular construction that simplifies maintenance and upgrades. Its compact dimensions and tool-free mounting facilitate straightforward installation in various industrial environments. This servo drive controller is ideal for applications requiring high-availability and precision, such as multi-axis machine tools, packaging lines, and assembly cells.