Indramat

DATA SHEET

CSH01.1C-ET-EN1-NNN-MEM-S2-S-NN-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	csh011c-et-en1-nnn-mem-s2-s-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Analog Outputs	2 outputs
Master Communication	MultiEthernet interface
Primary Encoder Option	HSF/RSF type
Power Consumption	7.5 Watts
Supported Pulse Frequencies	2, 4, 8, 12, 16 kHz
Position Control Cycle Times	250/500 microseconds
Velocity Control Cycle Times	125/250 microseconds
Plug/Unplug Cycles	20 cycles

Description

The Indramat CSH01.1C-ET-EN1-NNN-MEM-S2-S-NN-FW is a single-axis advanced control unit designed for precise motion control in industrial automation applications. Part of the CSH Advanced Controllers series, this module features a MultiEthernet master communication interface and supports primary encoder options including HSF/RSF. It is equipped with two analog outputs and operates at a power consumption of 7.5 Watts at 24 Volts DC. The device supports pulse frequencies of 2, 4, 8, 12, and 16 kHz, with position control cycle times of 250/500 microseconds and velocity control cycle times of 125/250 microseconds, ensuring high-speed, high-precision feedback loops. The CSH01.1C-ET-EN1-NNN-MEM-S2-S-NN-FW is engineered for integration with standard control panels and requires a compatible power section for operation within IndraDyn drive controller systems. It features a modular architecture with three front-panel slots for plug-in modules, including an encoder emulation module, an HSF/RSF encoder module, and a dedicated safety module slot. Designed for durability and reliability, the control section must be handled using standard ESD precautions and stored or transported in conductive packaging to prevent electrostatic damage. It is rated for up to 20 plug/unplug cycles when interfacing with a compatible power section, and only trained personnel should perform mounting and dismounting operations.