

CSH01.1C-NN-ENS-NNN-NNN-NN-S-NN-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	csH011c-NN-ENS-NNN-NNN-NN-S-NN-FW
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Dimensions	103 mm x 241 mm x 49.5 mm
Operating Temperature Range	0°C to +40°C
Analog Outputs	2 count
Primary Encoder Options	Indradyn, Hiperface, 1 Vpp, TTL
Master Communication	Not Equipped

Description

The Indramat CSH01.1C-NN-ENS-NNN-NNN-NN-S-NN-FW is a compact single-axis controller from the CSH Advanced Controllers series, designed for precise motion control in industrial automation systems. It measures 103 mm in depth, 241 mm in height, and 49.5 mm in width, requiring a control cabinet rated above IP20 for optimal protection. The controller operates within an ambient temperature range of 0°C to +40°C, ensuring reliable performance in typical industrial environments. It features two analog outputs for accurate feedback loops and supports primary encoder options including Indradyn, Hiperface, 1 Vpp, and TTL, facilitating versatile integration with various encoder systems. The unit does not include master communication interfaces by default, simplifying configurations where on-board bus connectivity is managed elsewhere. Installation and wiring are streamlined using stranded wires with a cross-sectional area of 0.25–0.5 mm², ensuring signal integrity over long runs. The controller is designed for DIN-rail or panel mounting, aligning with industry standards for drive controller architectures. For enhanced safety, the S1 safety technology option is available at connection X41, enabling integration without external relays. A built-in control panel with a single-line LED display offers status readouts and on-the-fly parameter adjustments, facilitating ease of use and maintenance. Firmware updates are available to improve motion algorithms and introduce new features, ensuring the controller remains up-to-date with evolving industrial requirements.