

CSH01.3C-NN-EN2-NNN-CCD-NN-S-NN-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	csH013c-nn-en2-nnn-ccd-nn-s-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Analog Outputs	2 outputs
Primary Encoder Option	EnDat 2.1/1 Vpp/TTL encoder
Operating Temperature Range	0 to +40 °C
Protection Rating	IP20 rating
Maximum Installation Height	1000 meters

Description

The Indramat CSH01.3C-NN-EN2-NNN-CCD-NN-S-NN-FW is a compact control unit from the CSH Advanced Controllers series, designed for precise motion control in industrial automation applications. This model features two analog voltage outputs rated at 5V, 1 mA each, and supports primary encoder inputs compatible with EnDat 2.1, 1 Vpp, or TTL encoders, each with a 5V supply. A single analog input channel can serve as two digital inputs. The unit provides integrated overload and short-circuit protection, ensuring reliable operation in demanding environments. It operates within an ambient temperature range of 0 to +40°C and requires separately ordered firmware for control. The module must be configured by a trained service technician before deployment. The housing is rated IP20, suitable for installation in environments where temperatures may exceed 60°C; appropriate precautions should be taken. The unit is intended for mounting at altitudes below 1000 meters and away from heat sources. Configuration is required prior to use. This control unit is ideal for applications such as printing presses, packaging machines, robotics, and machine tools, where precise motion control and reliable performance are essential.