6SE7012-0TP50-G91-C43-K80

Industrial automation components

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Manufacturer	Siemens
Catalog number	6se7012-0tp50-g91-c43-k80
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage	380–480 V
Output Frequency	0–400 Hz
Communication Interface	PROFIBUS-DP
Encoder Compatibility	Multi-turn encoders
Safe Stop Function	Yes

Description

The Siemens 6SE7012-0TP50 + G91 + C43 + K80 is a compact AC variable frequency drive from the MASTERDRIVES MC series, designed for precise motor control in industrial applications. This drive operates with a 3-phase AC input voltage of 380–480 V at 50/60 Hz and delivers an output of 0–400 Hz, suitable for controlling motors in various industrial settings.

It features a PROFIBUS-DP communication interface (option G91), enabling seamless integration into automation systems. The drive includes a measuring transducer for multi-turn encoders (option C43), enhancing its compatibility with complex motion control systems.

Additionally, the K80 option provides a safe stop function, ensuring operational safety by preventing unintended starts. With a firmware version of 1.6, this drive offers enhanced performance and reliability.

Its robust design makes it suitable for demanding industrial environments where control continuity and operational safety are critical.

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