6SL3210-1SE16-0UA0-6SL3252-0BB01-0AA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6sl3210-1se16-0ua0-6sl3252-0bb01-0aa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Single Motor Module
Product Family	SINAMICS S120
Continuous Output Current	6 A
Peak Output Current	12 A
Control Modes	Vector Control, Servo Control
Communication Interface	DRIVE-CLiQ
Dimensions	153 x 270 x 165 mm
Weight	4 kg

Description

The Siemens 6SL3210-1SE16-0UA0 is a Single Motor Module from the SINAMICS S120 drive system, designed for controlling and regulating AC induction and synchronous motors in industrial applications. This booksize format power module operates within the SINAMICS S120 modular drive architecture, receiving its DC link supply from a shared Line Module within the same cabinet assembly.

It delivers a continuous output current of 6 A, with a peak output current of 12 A, making it suitable for low-to-medium power axis control tasks. The module supports vector control and servo control modes, enabling precise speed and torque regulation.

Communication is facilitated via the DRIVE-CLiQ interface, allowing automatic component recognition, parameter transfer, and real-time diagnostics within the SINAMICS S120 system. Integrated safety functions include Safe Torque Off (STO) in accordance with IEC 62061 and ISO 13849-1, enabling

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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integration into safety-rated machine designs without external safety relays.

The 6SL3210-1SE16-0UA0 is widely used in machine tool spindle and feed axis drives, packaging machinery, printing presses, and textile machines. Its booksize form factor allows multiple axes to be mounted side by side in a compact control cabinet, making it well-suited for multi-axis machine applications where space efficiency and coordinated motion control are required.

The module is also found in material handling systems and robotics where precise torque and speed control are critical.