

SINAMICS S120 DRIVE SYSTEMS

Product Data Sheet

6SL3055-0AA00-5DA0

SINAMICS sensor interface module

FUNCTION	FAMILY	ORIGIN	WEIGHT
SINAMICS sensor interface module	SINAMICS S120 drive systems	Germany	Confirm before dispatch

Siemens SINAMICS 6SL3055-0AA00-5DA0 is a SINAMICS sensor interface module for the SINAMICS S120 drive systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	SINAMICS sensor interface module
Drive Family	SINAMICS S120 drive systems
Primary Function	Conditions motor encoder feedback
Power Architecture	External sensor electronics
Voltage Class	24 V DC module supply
Current Rating	Encoder-defined signal load
Control Supply	24 V DC electronics
Power Section	Motor feedback section
Mechanical Design	Protected sensor module
Electrical Interface	Encoder and DRIVE-CLiQ interfaces

Cooling Integration	Passive module cooling
Board Designation	6SL3055-0AA00-5DA0 module
Service Role	Motor-sensor interface spare
Product Status	Siemens SINAMICS component
Commissioning Check	Verify encoder type and direction

- Apply the|5DA0 sensor interface: Use 6SL3055-0AA00-5DA0 to conditions motor encoder feedback in the documented SINAMICS S120 drive systems. Confirm the installed section, electrical class and controlled drawing before intervention.
- Match the|Encoder and DRIVE-CLiQ interfaces: Record the exact board marking, connector keying, adjacent assemblies, cable routing and protective-earth arrangement. Preserve the documented 5DA0 sensor interface interface during exchange.
- Validate the|Verify encoder type and direction: After installation, verify encoder type and direction. Review Siemens drive diagnostics, capture the final test results and release the affected machine function through the site procedure.

Match 6SL3055-0AA00-5DA0 to the installed SINAMICS S120 drive systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry manufacturer documentation](#)

<https://support.industry.siemens.com/cs/products?search=6SL3055-0AA00-5DA0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM