

6SL3100-1AE31-0AB0

Industrial automation components

Manufacturer	Siemens
Catalog number	6sl3100-1ae31-0ab0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage	510 - 720 V
Power	1.5 KW
Horsepower	1.5 KW
Cooling Capacity	1.5 KW
Product Type	Module
Industrial System	sinamics
Signal Type	720
Signal Level	720 V
Manufacturer	Siemens

Description

The Siemens 6SL3100-1AE31-0AB0 is a braking module designed for the SINAMICS S120 drive system, offering efficient energy recovery and braking capabilities in industrial automation applications. Operating within a DC link voltage range of 510–720 V DC, it delivers a rated power of 1.5 kW and a peak power of 100 kW, making it suitable for high-dynamic motion control tasks. The module features a compact Booksize format, facilitating seamless integration into control cabinets and optimizing space utilization. It includes two digital inputs and two digital outputs, providing flexibility for various control configurations. With a weight of approximately 4.1 kg, the module is engineered for reliable performance in demanding industrial environments. Its internal air cooling system ensures thermal stability, while its modular design allows for straightforward installation and maintenance within SINAMICS S120 systems. This braking module is ideal for applications such as CNC machines, robotics, packaging equipment, and automated production lines, where precise and efficient braking is essential.