

## 6SL3055-0AA00-5BA2

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	6sl3055-0aa00-5ba2
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	0.45 kgs
<b>Product Type</b>	Sensor
<b>Industrial Safety</b>	plc
<b>Safety Level</b>	plc
<b>Industrial System</b>	sinamics

### Description

The Siemens 6SL3055-0AA00-5BA2 is a SINAMICS S120 SMC20 Sensor Module designed for precise encoder signal evaluation in industrial automation systems. This module supports both incremental encoders with SIN/COS (1 Vpp) and absolute encoders with EnDat 2.1 or SSI protocols, facilitating versatile integration into various applications. Operating with a nominal supply voltage of 24V DC and a current consumption of up to 0.35A, it ensures efficient performance. The module features two interfaces: DRIVE-CLiQ and Encoder System Interface, enabling seamless communication within the SINAMICS S120 drive system. With a compact width of 30mm and a weight of 0.45kg, it is suitable for space-constrained environments. The 6SL3055-0AA00-5BA2 is ideal for applications requiring reliable and accurate encoder signal processing, such as motion control systems, robotics, and automated manufacturing processes.