

6SL3055-0AA00-5BA3

Industrial automation components

| | |
|-----------------------|----------------------------------|
| Manufacturer | Siemens |
| Catalog number | 6sl3055-0aa00-5ba3 |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

| | |
|---------------------------------------|--|
| Weight | 0.56 kgs |
| Product ID | 6SL3055-0AA00-5BA3 |
| AL Field | N |
| Customs Tariff Code | 85049090 |
| Compliance | Produkt zgodny z RoHS od: 27.03.2012 |
| Configurable Product | False |
| Country of Origin | DE |
| EAN | 4042948662823.0 |
| ECCN | 9N9999 |
| eClass 6 | 27-02-91-12 |
| eClass 7.1 | 27-02-91-12 |
| eClass 8 | 27-02-91-12 |
| eClass Version 9 | 27-02-31-91 |
| eClass Version 9.1 | 27-02-31-91 |
| ETIM 7 | EC002025 |
| Group Classification Key | R220 |
| List of Characteristics | D21MC |
| Quantity in Package | 1 |
| Packaging Length | 182,00 |
| Packaging Width | 36,00 |
| Packaging Height | 352,00 |
| Packaging Size | MM |
| Product Description | SINAMICS S120 MODUŁ ENKODERA SMC20 DO PODŁĄCZENIA ENKODERA INKREMENTALNEGO: SIN/COS 1VPP ABSOLUTNEGO ENDAT BEZ PRZEWODU SYGNAŁOWEGO DRIVE-CLIQ 30 MM SZEROKOŚĆ |
| Product Code | 5675 |
| Comparative Metals Coefficient | 27.03.2012 |
| REACH | Lead CAS-Nr. 7439-92-1 |
| Unit of Measure | ST |
| UPC | 662643897456.0 |

Description

The Siemens 6SL3055-0AA00-5BA3 is a sensor module from the SINAMICS S120 series, designed for precise evaluation of incremental and absolute encoders. Operating at a 24 V DC supply voltage, it supports encoder frequencies up to 500 kHz and offers a maximum SSI baud rate of 1,000 kBaud. The module provides signal subdivision (interpolation) up to 16,384 times 14 bits, ensuring high-resolution feedback for industrial automation systems. With a compact width of 30 mm, it is suitable for space-constrained control cabinets. The device operates within an ambient temperature range of 0°C to 60°C and has a protection rating of IP20, making it suitable for industrial environments. The module is compatible with various encoder types, including incremental sin/cos 1 Vpp, absolute EnDat, and SSI with incremental sin/cos 1 Vpp signals. It does not include a DRIVE-CLiQ cable, allowing flexible integration based on specific installation requirements. The robust construction ensures reliable operation in demanding industrial environments and supports extended system uptime.