# 6SN1145-1BA00-0BA0-VERSION-A

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 6sn1145-1ba00-0ba0-version-a |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Power Rating** | 16/21 kW |
| **Supply Voltage Compatibility** | 3-phase 400 V AC ±10%, 415 V AC ±10%, 480 V AC +6%/-10% |
| **Cooling Options** | Internal cooling with heatsinks; External cooling with heatsinks inserted through openings at the rear of the cabinet |
| **Installation Requirements** | 50 mm lateral clearance between module groups; Externally mounted fans and air baffle plates for efficient cooling |
| **Weight** | 9.98 kg |

## Description

The Siemens 6SN1145-1BA00-0BA0 is an infeed/regenerative feedback module from the SIMODRIVE 611 series, designed for integration into high-performance CNC machine systems. This module serves a crucial role in connecting the drive group to the line supply and generating the necessary DC voltage for the DC link.

With a power rating of 16/21 kW, it is equipped to handle demanding tasks and provides regulated power for various operational requirements. The module is compatible with different line supply voltages, including 3-phase 400 V AC ±10% at 50 Hz/60 Hz, 3-phase 415 V AC ±10% at 50/60 Hz, and 3-phase 480 V AC with a range of +6% to -10% at 50 Hz/60 Hz.

In cases where the infeed modules are connected to non-standard or unconventional line supplies, specific considerations are necessary. An additional transformer with separate windings in vector group yn is required, particularly when dealing with upstream transformers or alternative line supply voltages such as 3-phase 200 V/220 V/240 V/440 V/500 V/575 V AC ±10% at 50 Hz/60 Hz.

The 6SN1145-1BA00-0BA0 module incorporates advanced cooling mechanisms to ensure optimal performance and prevent overheating. Two cooling options are available: internal cooling with heatsinks

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facilitating cooling within the control cabinet, and external cooling with heatsinks inserted through openings at the rear of the cabinet, managed on the customer's side.

Proper module arrangement and installation are crucial for maintaining safe and efficient operation. Cooling Options: Internal cooling with heatsinks; External cooling with heatsinks inserted through openings at the rear of the cabinet Installation Requirements: 50 mm lateral clearance between module groups; Externally mounted fans and air baffle plates for efficient cooling.