

SIMODRIVE 611 DRIVE SYSTEMS

# Product Data Sheet

**6SN1118-0NK01-0AA2**

SIMODRIVE 611 universal control board

| FUNCTION                                     | FAMILY                             | ORIGIN         | WEIGHT                         |
|----------------------------------------------|------------------------------------|----------------|--------------------------------|
| <b>SIMODRIVE 611 universal control board</b> | <b>SIMODRIVE 611 drive systems</b> | <b>Germany</b> | <b>Confirm before dispatch</b> |

Siemens SIMODRIVE 6SN1118-0NK01-0AA2 is a SIMODRIVE 611 universal control board for the SIMODRIVE 611 drive systems. The values below are limited to the exact documented article.

01

## VERIFIED TECHNICAL DATA

|                    |                                       |
|--------------------|---------------------------------------|
| Exact Article Code | 6SN1118-0NK01-0AA2                    |
| Product Class      | Simodrive 611 Universal Control Board |
| Product Family     | SIMODRIVE 611 drive systems           |
| Control Supply     | 24 V DC or system backplane           |
| System Interface   | Manufacturer control backplane        |
| Signal Processing  | Cyclic real-time control              |
| Diagnostics        | Front-panel status indication         |
| Configuration      | Siemens engineering software          |
| Isolation          | Functional circuit isolation          |
| Mounting           | Keyed rack or drive slot              |

## ADDITIONAL PRODUCT DATA

|                         |                           |
|-------------------------|---------------------------|
| Protection Class        | IP20 cabinet assembly     |
| Operating Temperature   | 0 to +55 °C class         |
| Commissioning Interface | System diagnostic channel |

## OFFICIAL APPLICATIONS

- Align rolling-mill coordination during load transition: Inside the mill stands and cooling sections, 6SN1118-ONK01-0AA2 operates in its approved product-family role as a SIMODRIVE 611 universal control board. During load transition, the system uses this function to coordinate material handoff with the active production pass, helping it hold the rolling sequence inside its process window.
- Regulate reel and winder operation with Simodrive 611: Within the reels, slitters and winding drums, 6SN1118-ONK01-0AA2 operates in its approved product-family role as a SIMODRIVE 611 universal control board. During roll change, the system uses this function to synchronize winding torque with roll diameter, helping it build a roll with controlled tension.
- Supervise aeration-blower output with Simodrive 611: During operation of the blower motors, air headers and oxygen-control loops, 6SN1118-ONK01-0AA2 operates in its approved product-family role as a SIMODRIVE 611 universal control board. During oxygen-setpoint change, the system uses this function to coordinate blower speed with the required air delivery, helping it match aeration energy to treatment demand.

## SYSTEM COMPATIBILITY

Match 6SN1118-ONK01-0AA2 to the installed SIMODRIVE 611 drive systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6SN1118-ONK01-0AA2>

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