# Automation Products
# AC500–S Safety PLC
# Product News: AI581-S Safety Analog Input Module

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## AI581-S Safety analog input module

Ideal for applications like machinery safety, braking systems in hoists, position control in crane and selective shutdown in wind turbines involving safe control of

- Position
- Torque
- Pressure
- Temperature
- etc.

## Key Features

- Supports SIL3 (IEC 61508, IEC 62061) and PL e (ISO 13849-1)

- High-speed dedicated analog current module with PROFINET/PROFIsafe functionality

- 4 safety current input channels up to SIL2 or PL d OR 2 safety current input channels up to SIL3 or PL e

- Could be configured for a range of 0 to 20 mA or 4 to 20 mA (1 or 2 channel mode)

- 14 bit A/D converter resolution with a LSB value of 2.03 μA

- 0.33 ms for conversion cycle

- Extreme condition (XC) version for harsh environments

- Built-in over-voltage protection

- Input indication on LEDs (intensity change)

- Got approvals from CE, cUL, UL and C-Tick



| Order Codes | Product Description |
|---|---|
| 1SAP 282 000 R0001 | Standard AI581-S module |
| 1SAP 482 000 R0001 | Extreme condition AI581-S-XC module |

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