

# S7-400 Programmable Logic Controller

The S7-400 is a high-performance programmable logic controller (PLC) designed for demanding automation applications. Its modular architecture allows for flexible configuration and expansion to meet specific system requirements.



## Product Overview

### High-Performance Automation Platform

The S7-400 is a powerful programmable logic controller designed for demanding process engineering and system solutions. It features a modular architecture with high performance reserves, making it ideal for applications requiring high fail-safety and availability. With built-in conformal coating and support for redundant configurations, it ensures reliable operation in challenging industrial environments.

## Key Features

### Core Capabilities

- Redundant design for high-availability
- Conformal coating (G3) as standard
- Modular system architecture
- Hot standby failover capability
- Switched I/O configuration

## Technical Specifications

### Operating Environment

**60 °C**

Max Ambient Temp

**95 %**

Max Humidity

**2000 m**

Max Altitude

Degree of Protection

IP20

## Standards and Compliance

Electromagnetic Compatibility

EN 61000-6-2, EN 61000-6-4

## Mechanical Reliability

### Mechanical Load Testing

Test Type	Standard	Details
Vibration	IEC 60068-2-6	10 to 500 Hz
Shock	IEC 60068-2-27	10g peak, 6ms duration

## Industry Applications

### Supported Industries

Automotive • Steel • Chemicals • Food and Beverage • Water Utilities • Packaging