

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Installation Instructions

6ES7515-2FM02-0AB0

Siemens official documentation for the exact article number.

Source: 6ES7515-2FM02-0AB0.pdf

Selected official Siemens pages follow this cover.

of 4 ms (typical value) — Number of positioning axes at motion control cycle of 8 ms (typical value)	14		
Controller • PID_Compact • PID_3Step • PID-Temp	Yes; Universal PID controller with integrated optimization Yes; PID controller with integrated optimization for valves Yes; PID controller with integrated optimization for temperature		
Counting and measuring • High-speed counter	Yes		
Standards, approvals, certificates			
Highest safety class achievable in safety mode			
• Performance level according to ISO 13849-1 • SIL acc. to IEC 61508	PLe SIL 3		
Probability of failure (for service life of 20 years and repair time of 100 hours)			
— Low demand mode: PFDavg in accordance with SIL3	< 2.00E-05		
— High demand/continuous mode: PFH in accordance with SIL3	< 1.00E-09		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min. • horizontal installation, max. • vertical installation, min. • vertical installation, max.	-25 °C; No condensation 60 °C; Display: 50 °C, at an operating temperature of typically 50 °C, the display is switched off -25 °C; No condensation 40 °C; Display: 40 °C, at an operating temperature of typically 40 °C, the display is switched off		
Ambient temperature during storage/transportation			
• min. • max.	-40 °C 70 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual		
Configuration			
Programming			
Programming language			
— LAD	Yes; incl. failsafe		
— FBD	Yes; incl. failsafe		
— STL	Yes		
— SCL	Yes		
— GRAPH	Yes		
Know-how protection			
• User program protection/password protection • Copy protection • Block protection	Yes Yes Yes		
Access protection			
• Password for display • Protection level: Write protection • Protection level: Read/write protection • Protection level: Write protection for Failsafe • Protection level: Complete protection	Yes Yes; Specific write protection both for Standard and for Failsafe Yes Yes Yes		
Cycle time monitoring			
• lower limit • upper limit	adjustable minimum cycle time adjustable maximum cycle time		
Dimensions			
Width	70 mm		
Height	147 mm		
Depth	129 mm		
Weights			
Weight, approx.	830 g		
Classifications			
		Version	Classification