

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Installation Instructions

6ES7515-2AM01-0AB0

Siemens official documentation for the exact article number.

Source: 6ES7515-2AM01-0AB0.pdf

Selected official Siemens pages follow this cover.

• Forcing, variables • Number of variables, max.	Peripheral inputs/outputs 200	
Diagnostic buffer		
• present • Number of entries, max. — of which powerfail-proof	Yes 3 200 500	
Traces		
• Number of configurable Traces	4; Up to 512 KB of data per trace are possible	
Interrupts/diagnostics/status information		
Diagnostics indication LED		
• RUN/STOP LED • ERROR LED • MAINT LED • Connection display LINK TX/RX	Yes Yes Yes Yes	
Supported technology objects		
Motion Control	Yes; Note: The number of axes affects the cycle time of the PLC program; selection guide via the TIA Selection Tool or SIZER	
• Number of available Motion Control resources for technology objects (except cam disks) • Required Motion Control resources — per speed-controlled axis — per positioning axis — per synchronous axis — per external encoder — per output cam — per cam track — per probe • Positioning axis — Number of positioning axes at motion control cycle of 4 ms (typical value) — Number of positioning axes at motion control cycle of 8 ms (typical value)	2 400 40 80 160 80 20 160 40 7 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
Ambient conditions		
Ambient temperature during operation		
• horizontal installation, min.	0 °C	

• horizontal installation, max.	60 °C; Display: 50 °C, at an operating temperature of typically 50 °C, the display is switched off
• vertical installation, min.	0 °C
• vertical installation, max.	40 °C; Display: 40 °C, at an operating temperature of typically 40 °C, the display is switched off
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	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
— FBD	Yes
— STL	Yes
— SCL	Yes
— GRAPH	Yes
Know-how protection	
• User program protection/password protection	Yes
• Copy protection	Yes
• Block protection	Yes
Access protection	
• Password for display	Yes
• Protection level: Write protection	Yes
• Protection level: Read/write protection	Yes
• Protection level: Complete protection	Yes
Cycle time monitoring	
• lower limit	adjustable minimum cycle time
• upper limit	adjustable maximum cycle time
Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	830 g
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