

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Installation Instructions

6ES7516-3AN01-0AB0

Siemens official documentation for the exact article number.

Source: 6ES7516-3AN01-0AB0.pdf

Selected official Siemens pages follow this cover.

• Number of available Motion Control resources for technology objects	2 400
• 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	40 80 160 80 20 160 40
• 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)	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. • horizontal installation, max.	0 °C 60 °C; Display: 50 °C, at an operating temperature of typically 50 °C, the display is switched off
• vertical installation, min. • vertical installation, max.	0 °C 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 / header	
configuration / programming / header	
Programming language	
— LAD — FBD — STL — SCL — GRAPH	Yes Yes Yes Yes Yes
Know-how protection	
• User program protection/password protection • Copy protection • Block protection	Yes Yes Yes
Access protection	
• protection of confidential configuration data • Password for display • Protection level: Write protection • Protection level: Read/write protection • Protection level: Complete protection	Yes Yes Yes Yes Yes
programming / cycle time monitoring / header	
• 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.	845 g
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