6ES7297-0AX30-0XA0

Data sheet



SIMATIC S7-1200, Battery Board BB 1297 for long-term buffering of the real time clock, plug-in in the signal board receptacle of the S7-12XX (FW3.0 or higher); Battery (CR1025) not included in scope of delivery

Product type designation BB 1297 Interrupts/diagnostics/status information Alarms Yes Diagnostics function Yes Diagnostics function LED • for maintenance Yes; The maintenance LED (MAINT) of the PLC signals that the battery needs to be replaced. Pegree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval Yes FM approval Yes FM approval Yes Ambient conditions Free fall • Fall height, max. Ambient temperature during operation • min. • max. Ambient temperature during storage/transportation • min. • max. Ambient temperature during storage/transportation • min. • operation, max. Storage/transport, max. 1 080 hPa Relative humidity • Operation at 25 °C without condensation, max. Mechanics/material Enclosure material (front) • Plastic Ves Dimensions Width Height Depth Vesights	General information	
Alarms Yes Diagnostics function Yes Diagnostics indication LED • for maintenance Yes: The maintenance LED (MAINT) of the PLC signals that the battery needs to be replaced. Degree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark Yes CSA approval Yes FM approval Yes RCM (formerly C-TICK) Yes Marine approval Yes Ambient conditions Free fall • Fall height, max. 0.3 m; five times, in product package Ambient temperature during operation • min. 20 °C • max. 60 °C Ambient temperature during storage/transportation • min. 40 °C • max. 70 °C Air pressure acc. to IEC 60068-2-13 • Operation, min. 1080 hPa • Storage/transport, min. 660 hPa • Storage/transport, max. 1080 hPa Relative humidity • Operation at 25 °C without condensation, max. 95 % Mechanics/material Enclosure material (front) • Plastic Yes Dimensions Width Height 62 mm Depth 21 mm	Product type designation	BB 1297
Diagnostics function Diagnostics indication LED • for maintenance Pegree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval FM approval Ambient conditions Free fall FM approval FM approval FM approval Ambient temperature during operation IM approval IM approval IM approval IM approval Ambient temperature during storage/transportation IM approval	Interrupts/diagnostics/status information	
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Ambient temperature during storage/transportation • min. • max. 70 °C Air pressure acc. to IEC 60068-2-13 • Operation, min. • Operation, max. • Storage/transport, min. • Storage/transport, max. 1 080 hPa • Storage/transport, max. 1 080 hPa Relative humidity • Operation at 25 °C without condensation, max. 95 % Mechanics/material Enclosure material (front) • Plastic Plastic Yes Dimensions Width Height Depth 1 0 0 0 C 70 °C Air pressure acc. to IEC 60068-2-13 - 40 °C 70 °C - 40 °C 70 °C - 40 °C 79 °C - 40 °C	• min.	-20 °C
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Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Operation, max. Storage/transport, min. Storage/transport, max. 1 080 hPa Storage/transport, max. 1 080 hPa Nelative humidity Operation at 25 °C without condensation, max. 95 % Mechanics/material Enclosure material (front) Plastic Yes Dimensions Width 38 mm Height Depth Operation, max. 795 hPa 1080 hPa 10	• min.	-40 °C
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Relative humidity Operation at 25 °C without condensation, max. Mechanics/material Enclosure material (front) Plastic Yes Dimensions Width Height Depth 121 mm	 Storage/transport, min. 	660 hPa
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Enclosure material (front)	 Operation at 25 °C without condensation, max. 	95 %
● Plastic Yes Dimensions Width 38 mm Height 62 mm Depth 21 mm	Mechanics/material	
Dimensions Width 38 mm Height 62 mm Depth 21 mm	Enclosure material (front)	
Width 38 mm Height 62 mm Depth 21 mm		Yes
Height 62 mm Depth 21 mm	Dimensions	
Depth 21 mm	Width	38 mm
Depth 21 mm	Height	62 mm
Weights		21 mm
	Weights	

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