

SIPLUS S7-1500 act. backplane 12 slot based on: 6ES7590-0BL00-0AA0 with conformal coating, -40...+70 °C . active backplane bus 12 slots for inserting S7-1500 I/O modules for hot swapping; for use in the ET 200MP with IM 155-5 PN HF (from FW V4.4.1); S7-1500 mounting rail and slot covers to be ordered separately



Figure similar

General information	
Product type designation	Active backplane ST 1+12 slot
Firmware version	
• FW update possible	Yes
based on	6ES7590-0BL00-0AA0
Product function	
• I&M data	Yes; I&M0 to I&M3
• Isochronous mode	Yes
• Prioritized startup	Yes
Engineering with	
• STEP 7 TIA Portal configurable/integrated from version	see entry ID: 109746275
Power	
Power consumption from the backplane bus	2 W
Power loss	
Power loss, typ.	2 W
Hardware configuration	
Slots	
• Grid size	35 mm; Utilization of 25 mm-wide modules possible
• Number of slots	13
— of which for CPU, max.	0
— of which for IM, max.	1
— of which for PS, max.	12; Max. 2 PS per station
— of which for IO/CM/CP/TM, max.	12
— of which for F-IO, max.	12
• Number of single-width slots, max.	12
Ambient conditions	
Ambient temperature during operation	
• horizontal installation, min.	-40 °C; = Tmin (incl. condensation/frost)
• horizontal installation, max.	70 °C; = Tmax
• vertical installation, min.	-40 °C; = Tmin
• vertical installation, max.	40 °C; = Tmax
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
Relative humidity	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation

Resistance				
Coolants and lubricants				
— Resistant to commercially available coolants and lubricants		Yes; Incl. diesel and oil droplets in the air		
Use in stationary industrial systems				
— to biologically active substances according to EN 60721-3-3		Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request		
— to chemically active substances according to EN 60721-3-3		Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *		
— to mechanically active substances according to EN 60721-3-3		Yes; Class 3S4 incl. sand, dust, *		
Use on ships/at sea				
— to biologically active substances according to EN 60721-3-6		Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)		
— to chemically active substances according to EN 60721-3-6		Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *		
— to mechanically active substances according to EN 60721-3-6		Yes; Class 6S3 incl. sand, dust; *		
Usage in industrial process technology				
— Against chemically active substances acc. to EN 60654-4		Yes; Class 3 (excluding trichlorethylene)		
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04		Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)		
Remark				
— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04		* The supplied plug covers must remain in place over the unused interfaces during operation!		
Conformal coating				
<ul style="list-style-type: none">● Coatings for printed circuit board assemblies acc. to EN 61086● Protection against fouling acc. to EN 60664-3● Military testing according to MIL-I-46058C, Amendment 7● Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A		Yes; Class 2 for high reliability Yes; Type 1 protection Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A		
Dimensions				
Width		434 mm		
Height		99 mm		
Depth		14 mm		
Weights				
Weight, approx.		352 g		
Classifications				
			Version	Classification
		eClass	14	27-24-22-03
		eClass	12	27-24-22-03
		eClass	9.1	27-24-22-03
		eClass	9	27-24-22-03
		eClass	8	27-24-22-03
		eClass	7.1	27-24-22-03
		eClass	6	27-24-22-03
		ETIM	9	EC000810
		ETIM	8	EC000810
		ETIM	7	EC000810
Approvals / Certificates				
General Product Approval			EMV	For use in hazardous locations

Miscellaneous





IECEX

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