

SIPLUS S7-1500 act. backplane 8 slot based on 6ES7590-0BH00-0AA0 with conformal coating, -40...+70 °C active backplane bus 8 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+8 Slot
Firmware version	
• FW update possible	Yes
based on	6ES7590-0BH00-0AA0
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	9
— of which for CPU, max.	1; for S7-1500H CPU with CPU firmware V3.1 or higher; interface modules up to V1.1.0 only (active backplane bus)
— of which for IM, max.	1
— of which for PS, max.	8; Max. 2 PS per station
— of which for IO/CM/CP/TM, max.	8
— of which for F-IO, max.	8
• Number of single-width slots, max.	8
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
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax

		- 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)	
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	<ul style="list-style-type: none"> — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 	<ul style="list-style-type: none"> Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 3S4 incl. sand, dust, * 	
Use on ships/at sea	<ul style="list-style-type: none"> — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 	<ul style="list-style-type: none"> Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; * 	
Usage in industrial process technology	<ul style="list-style-type: none"> — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 	<ul style="list-style-type: none"> Yes; Class 3 (excluding trichlorethylene) 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 	<ul style="list-style-type: none"> 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	294 mm		
Height	99 mm		
Depth	14 mm		
Weights			
Weight, approx.	246 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	10	EC000810
	ETIM	9	EC000810
	ETIM	8	EC000810
	ETIM	7	EC000810
Approvals / Certificates			

[Manufacturer Declaration](#)



[China RoHS](#)

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