



Figure similar

SIPLUS ET 200SP BU type M0 based on 6ES7193-6BR00-0HM0 BU type M0 - 40...+70 °C . with 2 slots for holding R1-capable interface modules IM 155-6 PN R1 including server module

General information	
Product type designation	BU type M0
based on	6ES7193-6BR00-0HM0
Supply voltage	
Rated value (DC)	24 V
Hardware configuration	
Slots	
• Number of slots	2
Potential separation	
between backplane bus and supply voltage	Yes
Isolation	
Isolation tested with	707 V DC (type test)
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.	50 °C; = Tmax
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	
— 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																																														
• Coatings for printed circuit board assemblies acc. to EN 61086	Yes; Class 2 for high reliability																																													
• Protection against fouling acc. to EN 60664-3	Yes; Type 1 protection																																													
• Military testing according to MIL-I-46058C, Amendment 7	Yes; Discoloration of coating possible during service life																																													
• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, Class A																																													
Dimensions																																														
Width	100 mm																																													
Height	141 mm																																													
Depth	29 mm																																													
Weights																																														
Weight, approx.	142 g																																													
Classifications																																														
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Approvals / Certificates	
General Product Approval	

[Manufacturer Declaration](#)



[China RoHS](#)



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EMV	For use in hazardous locations	Maritime application
 RCM	 ATEX	 IECEX
		 CCC-Ex
		 DNV

