

SIPLUS ET 200SP BU15-P16+A10+2B based on 6ES7193-6BP20-0BA0 with conformal coating, -40...+70 °C, BU type A0, push-in terminals, with 10 AUX terminals, bridged to the left, WxH: 15 mm x141 mm,

General information	
Product type designation	BU type A0
based on	6ES7193-6BP20-0BA0
Supply voltage	
Rated value (DC)	24 V
external protection for power supply lines	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic
Current carrying capacity	
For P1 and P2 bus, max.	10 A
For AUX bus, max.	10 A
For process terminals, max.	2 A
Hardware configuration	
Formation of potential groups	
• New potential group	No
• Potential group continued from the left	Yes
Slots	
• Number of slots	1; Type A0
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 and fungal spores (excluding fauna); Class 6B3 on request
— 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	
Accessories			
Color coding labels			
● for process terminals		CC00 to CC09	
● for AUX terminals		CC71 to CC73	
● for add-on terminals		does not exist	
Connection method			
Terminals			
● Terminal type		Push-in terminal	
● system-integrated shield connection		Yes; Optional	
● Conductor cross-section, min.		0.14 mm²; AWG 26	
● Conductor cross-section, max.		2.5 mm²; AWG 14	
● Number of process terminals to I/O module		16	
● Number of terminals to AUX bus		10	
● Number of add-on terminals		0	
● Number of terminals with connection to P1 and P2 bus		2	
Dimensions			
Width		15 mm	
Height		141 mm	
Depth		35 mm	
Weights			
Weight, approx.		50 g	
Classifications			
		Version	Classification
	eClass	16	27-24-26-03
	eClass	14	27-24-26-03
	eClass	12	27-24-26-03
	eClass	9.1	27-24-26-03
	eClass	9	27-24-26-03
	eClass	8	27-24-26-03
	eClass	7.1	27-24-26-03
	eClass	6	27-24-26-03
	ETIM	10	EC001598
	ETIM	9	EC001598
	ETIM	8	EC001598
	ETIM	7	EC001598
	IDEA	4	3560
	UNSPSC	15	32-15-17-04
Approvals / Certificates			
General Product Approval			

[Manufacturer Declaration](#)



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General Product Approval	EMV	For use in hazardous locations		Maritime application
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Maritime application



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