



Figure similar

SIPLUS ET 200SP BA 2xM12 based on 6ES7193-6AM00-0AA0 with conformal coating, -40...+70 °C, BusAdapter 2x M12 push-pull sockets for PROFINET, D-coding, also suitable for standard M12

General information	
Product type designation	BA 2x M12 BusAdapter
based on	6ES7193-6AM00-0AA0
Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch) 2x M12
Supports protocol for PROFINET IO	
• Number of M12 ports	2
Cable length	
— Cu conductors	100 m
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, *
— Against mechanical environmental conditions acc. to EN 60721-3-3	Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)
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; *				
— Against mechanical environmental conditions acc. to EN 60721-3-6		Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)				
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		20 mm				
Height		73.5 mm				
Depth		59 mm				
Weights						
Weight, approx.		59 g				
Classifications						
			Version	Classification		
		eClass	14	27-24-26-92		
		eClass	12	27-24-26-92		
		eClass	9.1	27-24-26-92		
		eClass	9	27-24-26-92		
		eClass	8	27-24-26-92		
		eClass	7.1	27-24-26-92		
		eClass	6	27-24-26-92		
		ETIM	10	EC002584		
		ETIM	9	EC002584		
		ETIM	8	EC002584		
		ETIM	7	EC002584		
Approvals / Certificates						
General Product Approval			EMV			
Manufacturer Declaration				China RoHS		
For use in hazardous locations		Maritime application				
		CCC-Ex				

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