SIEMENS

Data sheet

6AG1241-1CH32-2XB0

SIPLUS S7-1200 CM1241 -40...+70 °C with conformal coating based on 6ES7241-1CH32-0XB0. Communication module CM 1241, RS422/485, 9-pole D-sub (pin) supports Freeport

General information Product type designation Supply voltage Rated value (DC) permissible range, lower limit (DC) 24 V permissible range, lower limit (DC) 28.8 V Power loss Power loss Power loss Power loss Power loss Power loss, typ. Interfaces Number of interfaces Number of interfaces Point-to-point connection • Cable length, max. 1 000 m Integrated protocol driver - ASCII - USS Yes; Available as library function - USS Yes; Available as library function - USS Yes; Available as library function - Mabient temperature during operation • min. - Fall height, max. 0.3 m; five times, in product package Ambient temperature during storage/transportation • min. -40 °C; Tmax > 60 °C, derating: Max. one module may be conf this module must be the last module on the CM bus; minimum on the left side of at least 45 mm Ambient temperature during sto	
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• Ambient air temperature-barometric pressure- Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m	
altitude (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m	n) // Tmin
Relative humidity	
• Operation at 25 °C without condensation, max. 95 %	
• With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation/frost (no commissioning under condensation conditions)	
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 excert fauna); Class 3B3 on request 	ption of
- to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068- (severity degree 3); *	2-52
 — 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 6B2 mold and	ss 6B3 on

 — 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	30 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	155 g
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