SIEMENS

Data sheet 6AG1900-0AB10-7AA0



Figure similar

SIPLUS C-Plug based on 6GK1900-0AB10 with conformal coating, -40…+75 °C, removable data storage medium for simple device replacement in case of fault, for recording configuration or engineering and application data, can be used in the following SIMATIC NET products with C-Plug slot: SCALANCE XC-200, XP-200, XM-400, XR-500, M-800 S615 and W-700

General information	
Product type designation	C-Plug
based on	6GK1900-0AB10
Memory	
Total memory capacity	256 Mbyte
Degree and class of protection	
IP degree of protection	IP20
Ambient conditions	
Ambient temperature during operation	
● min.	-40 °C; = Tmin (incl. condensation/frost)
● max.	75 °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 1 080 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	
● Operation, max.	100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)
● With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)
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; *
Remark	
— Note regarding classification of environmental	* The supplied plug covers must remain in place over the unused interfaces

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conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04	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
● Electronic equipment on rolling stock acc. to EN 50155	Yes; Class PC2 protective coating acc. to EN 50155:2017
● 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	24.3 mm
Height	17 mm
Depth	8.1 mm
Weights	
Weight, approx.	0.5 g

Classifications

	Version	Classification
eClass	14	27-24-22-12
eClass	12	27-24-22-12
eClass	9.1	27-24-22-12
eClass	9	27-24-22-12
eClass	8	27-24-22-12
eClass	7.1	27-24-22-12
eClass	6	27-24-22-12
ETIM	10	EC000192
ETIM	9	EC000192
ETIM	8	EC000192
ETIM	7	EC000192
IDEA	4	6458
UNSPSC	15	43-20-14-02

Approvals / Certificates

General Product Approval				EMV
Manufacturer Declaration	UKCA	CE EG-Konf.	China RoHS	RCM

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