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Data sheet 6AG1255-0AA00-2JA2



Figure similar

SIPLUS G120 IOP-2 based on 6SL3255-0AA00-4JA2 with conformal coating, -20…+50 °C, for SIPLUS SINAMICS G120 supported languages: German, English, French Italian, Spanish Portuguese, Dutch Swedish, Russian Czech, Polish Turkish, Finnish Chinese simplified

General information	
Product type designation	Intelligent Operator Panel (IOP)
based on	6SL3255-0AA00-4JA2
Product function	
● V/f control with linear/square parameterization capability	No
● V/f control with ECO mode linear/square	No
● V/f control with flux current control	No
● Vector control with encoder	No
● Vector control without encoder	No
Standards, approvals, certificates	
Certificate of suitability	CE
Ambient conditions	
Ambient temperature during operation	
● min.	-20 °C; = Tmin
● max.	50 °C; = Tmax
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	2 000 m
● Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 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	
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); *
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!

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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	70 mm
Height	106 mm
Depth	30 mm

Weights	
Weight (without packaging)	0.134 kg

Classifications

	Version	Classification
eClass	14	27-02-31-57
eClass	12	27-02-31-57
eClass	9.1	27-02-31-57
eClass	9	27-02-31-92
eClass	8	27-02-31-90
eClass	7.1	27-02-31-90
eClass	6	27-02-31-90
ETIM	10	EC002025
ETIM	9	EC002025
ETIM	8	EC002025
ETIM	7	EC002025
IDEA	4	5109
UNSPSC	15	39-12-20-04

Approvals / Certificates

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

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