MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3055-0AA00-4BA0

BOP20 BASIC OPERATOR PANEL

Used with the applicable SINAMICS S120 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens documentation from 6SL3055-0AA00-4BA0.pdf

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Data sheet 6AG1055-0AA00-2BA0



SIPLUS S120 BOP20 Basic Operator Panel -20...+70°C with conformal coating based on 6SL3055-0AA00-4BA0 . Actuator with miniature display 2-line, 6 keys for parameter assignment and diagnostics suitable for Control Units CU305, CU310, CU320

General information	
Product type designation	BOP20
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
Digital inputs	
Number of digital inputs	0
● With fail-safe	0
Analog inputs	
Number of analog inputs	0
Interfaces	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	0
Protocols	
PROFIBUS	No
Standards, approvals, certificates	
Certificate of suitability	CE
Ambient conditions	
Ambient temperature during operation	
● min.	-20 °C; = Tmin
● max.	70 °C; = Tmax
● min. [°F]	-4 °F
● max. [°F]	158 °F
● Remark	A derating of 3 K/1 000 m has to be applied to the Control Units from an installation altitude of 1 000 m above sea level
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	70 °C
● Storage, min. [°F]	-40 °F
● Storage, max. [°F]	158 °F
Relative humidity	
● With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	

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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	No
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
● 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
Connection method	
Type of electrical connection for signal line	
● Connectable conductor cross-section for signal line, min.	0 mm²
● Connectable conductor cross-section for signal line, max.	0 mm²
● Connectable conductor cross-section for AWG cables, min.	0
● Connectable conductor cross-section for AWG cables, max.	0
Dimensions	
Width	49 mm
Height	48 mm
Depth	8 mm
Weights	
Weight (without packaging)	0.05 kg

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