



SIPLUS S120 BASIC OPERATOR PANEL BOP20 FOR ELECTRONIC CONTROLS -20 ... +70 GRAD C WITH CONFORMAL COATING BASED ON 6SL3055-0AA00-4BA0 . TWO-LINE DISPLAY, 6 KEYS FOR PARAMETER SETTING AND DIAGNOSTIC INFORMATION SUITED FOR CONTROL UNITS CU305, CU310, CU320

|                     |  |            |
|---------------------|--|------------|
| product brand name  |  | SIPLUS     |
| Product designation |  | Controller |

### General technical data:

|                                                                             |    |         |
|-----------------------------------------------------------------------------|----|---------|
| Design of the product                                                       |    | BOP 20  |
| Product function                                                            |    |         |
| • vector control with encoder                                               |    | No      |
| • vector control without encoder                                            |    | No      |
| Product function / for U/f control                                          |    |         |
| • ECO mode linear or quadratic                                              |    | No      |
| • flux current control                                                      |    | No      |
| • linear or quadratic parameterization                                      |    | No      |
| AWG number / as coded connectable conductor cross section / for signal line |    | 0 ... 0 |
| Protection class IP                                                         |    | IP20    |
| Width                                                                       | mm | 49      |
| Height                                                                      | mm | 48      |
| Depth                                                                       | mm | 8       |
| Net weight                                                                  | kg | 0.05    |

### Inputs/ Outputs:

|                                                          |  |   |
|----------------------------------------------------------|--|---|
| Number of analog inputs                                  |  | 0 |
| Number of digital inputs                                 |  | 0 |
| Number of digital inputs / with fail-safe                |  | 0 |
| Number of digital outputs / as relay change-over contact |  | 0 |
| Number of digital outputs / as transistor                |  | 0 |

#### Communication:

|                                             |  |    |
|---------------------------------------------|--|----|
| Number of interfaces                        |  |    |
| • acc. to RS 485                            |  | 0  |
| • acc. to PROFINET                          |  | 0  |
| Protocol / is supported / PROFIBUS protocol |  | No |

#### Ambient conditions:

|                                                                                |    |                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relative humidity / maximum                                                    | %  | 100                                                                                                                                                                                             |
| • Note                                                                         |    | RH, incl. condensation/frost permitted (no commissioning in bedewed state)                                                                                                                      |
| Ambient temperature                                                            |    |                                                                                                                                                                                                 |
| • during operation                                                             | °C | -20 ... +70                                                                                                                                                                                     |
| • during storage                                                               | °C | -40 ... +70                                                                                                                                                                                     |
| Ambient temperature [°F]                                                       |    |                                                                                                                                                                                                 |
| • during operation                                                             | °F | -4 ... +158                                                                                                                                                                                     |
| — Note                                                                         |    | A derating of 3 K/1000 m has to be applied to the Control Units from an installation altitude of 1000 m above sea level                                                                         |
| • during storage                                                               | °F | -40 ... +158                                                                                                                                                                                    |
| Resistance to biologically active substances / conformity acc. to EN 60721-3-3 |    | Yes                                                                                                                                                                                             |
| Resistance to biologically active substances                                   |    | Class 3B2 acc. to EN 60721-3-3, mold and fungal spores (except fauna)                                                                                                                           |
| • conformity acc. to EN 60721-3-3 / Note                                       |    | The supplied plug covers must remain in place over the unused interfaces during operation!                                                                                                      |
| conformity acc. to EN 60721-3-3                                                |    | Yes                                                                                                                                                                                             |
| Resistance to chemically active substances                                     |    | Class 3C4 acc. to EN 60721-3-3, including salt spray acc. to EN 60068-2-52 (severity level 3)                                                                                                   |
| • conformity acc. to EN 60721-3-3 / Note                                       |    | Compliant with EN 60721-3-3, Class 3C4 incl. salt spray in accordance with EN 60068-2-52 (severity 3); the supplied plug covers must remain in place on the unused interfaces during operation. |
| Resistance to mechanically active substances / conformity acc. to EN 60721-3-3 |    | No                                                                                                                                                                                              |
| Certificate of suitability                                                     |    | CE                                                                                                                                                                                              |

#### Certificates/ approvals:

[sonstig](#)**Further information****Information- and Downloadcenter (Catalogs, Brochures,...)**<http://www.siemens.com/industrial-controls/catalogs>**Industry Mall (Online ordering system)**<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6AG10550AA002BA0>**Cax online generator**<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6AG10550AA002BA0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/6AG10550AA002BA0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=6AG10550AA002BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6AG10550AA002BA0&lang=en)