

SIPPLUS SITOP PS MODULAR Puffermodul
 SIPLUS PS modular buffer module -25...+70°C with conformal coating based on 6EP1961-3BA01 . for 6EP1x 3x-3BAX0 Buffer time 100 ms to 10 s depending on load current



Figure similar

| Input | |
|--|---|
| Supply voltage at DC Rated value | 24 V |
| Voltage curve at input | DC |
| input voltage range | 24 ... 28.8 V DC |
| Mains buffering | |
| Design of the mains power cut bridging-connection | Backup time: with 40 A load current: 200 ms; with 20 A load current: 400 ms; with 10 A load current: 800 ms; with 5 A load current: 1.6 s. Reduces the backup time by 100 ms in combination with 6EP1 437-3BA10. Maximum backup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A). |
| Output | |
| Formula for output voltage | $V_{in} - \text{approx. } 1 \text{ V}$ |
| Output current | 40 A |
| <ul style="list-style-type: none"> Rated value | |
| Signaling | |
| Display version | Green LED for "supply voltage > 20.5 V" |
| <ul style="list-style-type: none"> for normal operation | |

| Interface | |
|--|--|
| Product component PC interface | No |
| Design of the interface | without |
| Safety | |
| Galvanic isolation between entrance and outlet | Yes |
| Operating resource protection class | Class III |
| Certificate of suitability | |
| • CE marking | Yes |
| Protection class IP | IP20 |
| EMC | |
| Standard | |
| • for emitted interference | EN 55022 Class B |
| • for interference immunity | EN 61000-6-2 |
| environmental conditions | |
| Ambient temperature in horizontal mounting position during operation | -25 ... +70; with natural convection |
| Ambient temperature during storage and transport | -40 ... +85 |
| Installation altitude at height above sea level maximum | 6 000 m |
| Ambient condition relating to ambient temperature - air pressure - installation altitude | In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m |
| Relative humidity with condensation acc. to IEC 60068-2-38 maximum | 100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation |
| Chemical resistance to commercially available cooling lubricants | Yes; incl. diesel and oil droplets in the air |
| Resistance to biologically active substances conformity acc. to EN 60721-3-3 | Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request |
| Resistance to chemically active substances conformity acc. to EN 60721-3-3 | Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3) |
| Resistance to mechanically active substances conformity acc. to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust |
| Resistance to biologically active substances conformity acc. to EN 60721-3-6 | Yes; Class 6B2 mold, fungal, sponge spores (except fauna) |
| Resistance to chemically active substances conformity acc. to EN 60721-3-6 | Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3) |
| Resistance to mechanically active substances conformity acc. to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust |
| Coating for equipped printed circuit board acc. to EN 61086 | Yes; Class 2 for high availability |
| Type of coating protection against pollution according to EN 60664-3 | Yes; Type 1 protection |
| Type of test of the coating acc. to MIL-I-46058C | Yes; Discoloration of the coating during service life possible |

| | |
|--|---------------------------------|
| Product conformity of the coating Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A | Yes; Conformal Coating, Class A |
|--|---------------------------------|

Mechanics

| | |
|---|---|
| Type of electrical connection | screw-type terminals |
| <ul style="list-style-type: none"> • at input • at output • for control circuit and status message | +: 1 screw terminal for 0.5 ... 10 mm ² -: 1 screw terminal for 0.5 ... 10 mm ² - |
| Width of the enclosure | 70 mm |
| Height of the enclosure | 125 mm |
| Depth of the enclosure | 121 mm |
| Required spacing | |
| <ul style="list-style-type: none"> • top • bottom • left • right | 50 mm 50 mm 0 mm 0 mm |
| Net weight | 1.2 kg |
| Product feature of the enclosure housing for side-by-side mounting | Yes |
| Mounting type | Snaps onto DIN rail EN 60715 35x7.5/15 |
| MTBF at 40 °C | 2 538 071 h |
| Reference code acc. to DIN EN 81346-2 | T |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |