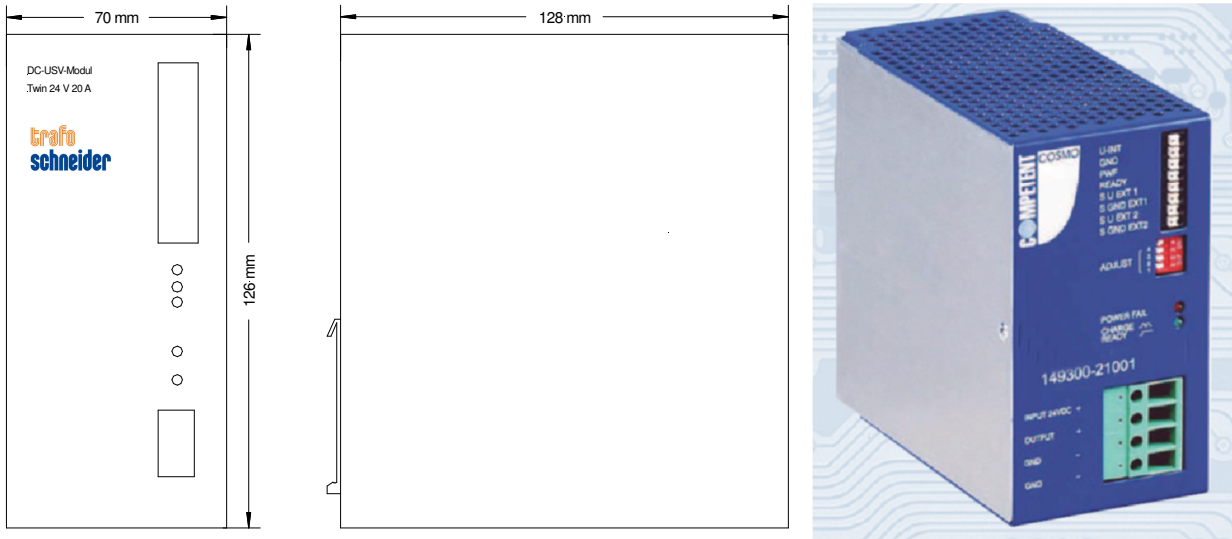


10. DC-USV COMPETENT- COSMO

10.1 DC-USV Buffer module 24 V/ 20 A - 480 W

In conjunction with COMPETENT-COSMO Switch-mode power supply or transformer power supply unit



- Reliability corresponding to VDE 0805/ EN 60950/ IEC 950
- Fitted with noise suppression corresponding to EN 55011/ Class B
- Fault-free operation corresponding to EN 50082-1/ -2
- Width of case only 70 mm
- Parallel operation possible
- Integrated diode decoupling
- Vertical configuration on cap rails
- weight ca. 1.2 kg
- Spring-type terminals
- ta 60°C
- Type protection IP 20

Technical data

Input

| | |
|---|------------------------|
| Nominal voltage | 24 VDC |
| Input voltage range | 19.2 – 31.2 VDC |
| Nominal input current | 0.6 A in charging mode |
| Switching threshold for UPS-operation adjustable via DIP switch | 14.0 – 29.0 V ± 1 % |

Output

| | |
|-------------------------------------|---|
| Output voltage for Buffer operation | 14.0 – 29.0 V +/- 1 % according to the adjusted switching threshold (DIP switch + 1 V stages) |
| Direct current voltage | 0 – 20 A |
| Energy storage | maintenance-free electrolytic capacitor |
| Ready signal (buffer charged) | Output up to max. 31.2 VDC / 35.0 mA sink |
| PWF Signal (mains failure) | Output up to max. 31.2 VDC / 35.0 mA sink |

Signalling

| | |
|--|-------------------------------------|
| Operation display (LED) red | Power Fail signals buffer operation |
| Operation display (LED) green blinking | Buffer is charging |
| Operation display (LED) green length | Buffer charged |

Power failure bridging time

| Current [A] | Buffer time [s] |
|-------------|-----------------|
| 1 | 4.0 |
| 5 | 1.0 |
| 10 | 0.5 |
| 20 | 0.2 |