



# Switched mode power supplies CP-S, CP-C & CP-A Range



## CP-S and CP-C range

- Output current 5 A, 10 A and 20 A
- Integrated power reserve of up to 50 %
- 5 A and 10 A devices with pluggable connecting terminals
- Approvals / marks (depending on device, partly pending)



## CP-S range

- 10 A and 20 A devices with front-face selector switch to adjust rated input voltage range: 110-120 V AC or 220-240 V AC
- Output voltage fixed at 24 V DC
- Parallel operation for redundancy

## CP-C range

- Wide range input 110-240 V AC (85-264 V AC, 100-350 V DC)
- Output voltage adjustable in a range of 22-28 V DC
- Parallel operation for increased capacity and redundancy
- Power factor correction (PFC) acc. to EN 61000-3-2
- Function module pluggable onto the front side

## Messaging module CP-C MM:

- LED for status indication
- Relay outputs "Input OK" and "Output OK"
- REMOTE ON/OFF function to switch on and off the power supply externally
- Output voltage monitoring is only possible in decoupled parallel operation

## CP-A range

### Redundancy unit CP-A RU

- Redundancy unit with 2 inputs / channels for decoupling of 2 CP-S or 2 CP-C power supplies
- Up to 20 A per input / channel and output up to 40 A
- True redundancy by 100 % decoupling with 2 integrated diodes

### Control module CP-A CM

- Pluggable onto redundancy unit CP-A RU
- One relay output per monitored input / channel
- Threshold values adjustable (14-28 V)
- Indicates the presence of both input voltages (of the CP-A RU) via LEDs and energized output relays



CP-A RU + CP-A CM

## Integrated power reserve

The new CP-S and CP-C range power supplies feature an integrated power reserve of up to 50 %. No oversized electricity supply is needed, especially under heavy load conditions.



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## Pluggable connecting terminals

Extended flexibility in operation due to pluggable connecting terminals (this feature is not offered on all devices).



## Adjustable output voltage

The CP-C range types feature a continuously adjustable output voltage from 22 to 28 V. Thus, they can be optimally adapted to the application, e.g. compensating the voltage drop caused by long line length.



## Pluggable function modules

The CP-C range power supplies can be equipped with pluggable modules to add additional functions (e.g. messaging module). Thus, the power supplies can be ideally adapted to the relevant application.



## CP-S, CP-C & CP-A Range



CP-S 24/5.0



CP-C 24/10.0



CP-S 24/20.0



CP-A RU



CP-A CM

| Type | Rated input voltage | Rated output voltage / current | Order code | Pack. unit pieces | Weight 1 piece kg / lb |
|------|---------------------|--------------------------------|------------|-------------------|------------------------|
|------|---------------------|--------------------------------|------------|-------------------|------------------------|

### CP-S range

|              |                             |                |                    |   |             |
|--------------|-----------------------------|----------------|--------------------|---|-------------|
| CP-S 24/5.0  | 110-240 V AC                | 24 V DC / 5 A  | 1SVR 427 014 R0000 | 1 | 0.96 / 2.11 |
| CP-S 24/10.0 | 110-120 V AC / 220-240 V AC | 24 V DC / 10 A | 1SVR 427 015 R0100 | 1 | 1.07 / 2.35 |
| CP-S 24/20.0 | 110-120 V AC / 220-240 V AC | 24 V DC / 20 A | 1SVR 427 016 R0100 | 1 | 2.83 / 6.23 |

### CP-C range

|              |              |                |                    |   |             |
|--------------|--------------|----------------|--------------------|---|-------------|
| CP-C 24/5.0  | 110-240 V AC | 24 V DC / 5 A  | 1SVR 427 024 R0000 | 1 | 0.96 / 2.11 |
| CP-C 24/10.0 | 110-240 V AC | 24 V DC / 10 A | 1SVR 427 025 R0000 | 1 | 1.34 / 2.95 |
| CP-C 24/20.0 | 110-240 V AC | 24 V DC / 20 A | 1SVR 427 026 R0000 | 1 | 3.15 / 6.94 |

| Type | Description | Order code | Pack. unit pieces | Weight 1 piece kg / lb |
|------|-------------|------------|-------------------|------------------------|
|------|-------------|------------|-------------------|------------------------|

### Accessories for CP-C range

|         |                  |                    |   |              |
|---------|------------------|--------------------|---|--------------|
| CP-C MM | Messaging module | 1SVR 427 081 R0000 | 1 | 0.065 / 0.14 |
|---------|------------------|--------------------|---|--------------|

### Accessories for CP-S and C range

|         |                 |                    |   |              |
|---------|-----------------|--------------------|---|--------------|
| CP-A RU | Redundancy unit | 1SVR 427 071 R0000 | 1 | 0.89 / 1.96  |
| CP-A CM | Control module  | 1SVR 427 075 R0000 | 1 | 0.063 / 0.14 |