

Single-phase, primary switched mode power supply  
**PCC-0124-050-2**



## Advantages

- Stabilized and adjustable output voltage
- Protection against transient mains overvoltage events
- Protection against shock and vibration

## Applications

## Standards

## Approvals





## Single-phase, primary switched mode power supply **PCC-0124-050-2**

| Type            |                                                            | PCC-0124-050-2                               | Type            |                                                      | PCC-0124-050-2          |
|-----------------|------------------------------------------------------------|----------------------------------------------|-----------------|------------------------------------------------------|-------------------------|
| Electrical data | Special features                                           |                                              | Mechanical data | Terminal and mounting                                |                         |
|                 | Characteristics                                            | Power Boost                                  |                 | Terminals input (direct plug-in technology Push-in)  | max 4 mm <sup>2</sup>   |
|                 | Input                                                      |                                              |                 | Terminals output (direct plug-in technology Push-in) | max 2,5 mm <sup>2</sup> |
|                 | Input rated voltage                                        | 100 - 240 Vac                                |                 | Measures and weights                                 |                         |
|                 | Input voltage range                                        | 90 - 264 Vac<br>(90 - 374 Vdc)               |                 | Weight                                               | 1.04 lbs                |
|                 | Rated frequency range                                      | 47 - 63 Hz / 0 Hz                            |                 |                                                      |                         |
|                 | Input rated current (rated load)                           | 2,1 A (100 Vac) / 1,3 A (240 Vac)            |                 |                                                      |                         |
|                 | Switch-on time                                             | 0,82 s (100 Vac) / 0,76 s (240 Vac)          |                 |                                                      |                         |
|                 | Mains buffering (rated load)                               | 11 ms (100 Vac) / 70 ms (240 Vac)            |                 |                                                      |                         |
|                 | Power factor                                               | 0,5                                          |                 |                                                      |                         |
|                 | Input fuse internal                                        | 4 A                                          |                 |                                                      |                         |
|                 | Recommended back-up fuse (circuit breaker)                 | 6 A, 10 A, 16 A, 20 A, Charakteristik B,C    |                 |                                                      |                         |
|                 | Transient surge voltage protection                         | 2 kV L - N / 4 kV (L-N) - PE (IEC 61000-4-5) |                 |                                                      |                         |
|                 | Output                                                     |                                              |                 |                                                      |                         |
|                 | Output rated voltage                                       | 24 Vdc                                       |                 |                                                      |                         |
|                 | Output voltage range                                       | 23 - 28,5 Vdc                                |                 |                                                      |                         |
|                 | Output rated current                                       | 5 A                                          |                 |                                                      |                         |
|                 | Output limited current                                     | 5,5 A                                        |                 |                                                      |                         |
|                 | Parallel connection                                        |                                              |                 |                                                      |                         |
|                 | Serial operation                                           | Yes                                          |                 |                                                      |                         |
|                 | Power dissipation, no load/rated load                      | 0,4 W (100 Vac) / 1,0 W (240 Vac)            |                 |                                                      |                         |
|                 | Max. power losses                                          |                                              |                 |                                                      |                         |
|                 | Ripple factor                                              | 40 mVpp                                      |                 |                                                      |                         |
|                 | Resistance to reverse feed max.                            | 0 Vdc                                        |                 |                                                      |                         |
|                 | Over-voltage-protection                                    | max. 41 Vdc                                  |                 |                                                      |                         |
|                 | Power Boost                                                | 7.5 A / 5 s                                  |                 |                                                      |                         |
|                 | Signaling                                                  |                                              |                 |                                                      |                         |
|                 | Typ. switching threshold for LED and signal output (DC OK) | -                                            |                 |                                                      |                         |
|                 | Status indicator                                           |                                              |                 |                                                      |                         |
|                 | Signal output                                              |                                              |                 |                                                      |                         |
|                 | Environment                                                |                                              |                 |                                                      |                         |
|                 | Type of cooling                                            | natural convection                           |                 |                                                      |                         |
|                 | Ambient temperature                                        | -13 °F to +158 °F                            |                 |                                                      |                         |
|                 | Storage temperature                                        | -40 °F to +185 °F                            |                 |                                                      |                         |
|                 | Required minimum spacing (left/right)                      | 0.00 inch                                    |                 |                                                      |                         |
|                 | Required minimum spacing (over/under)                      | 1.77 inch                                    |                 |                                                      |                         |
|                 | Safety and protection                                      |                                              |                 |                                                      |                         |
|                 | Protection index                                           |                                              |                 |                                                      |                         |
|                 | Safety class                                               |                                              |                 |                                                      |                         |
|                 | Order numbers                                              |                                              |                 |                                                      |                         |
|                 | Order Number                                               | PCC-0124-050-2                               |                 |                                                      |                         |