



2990000065

## Power Supply 100-240VAC/48VDC 2A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 2A current

### Description

- ✓ Switched-mode power supply
- ✓ Natural convection cooling when horizontally mounted
- ✓ Enclosed for use in switchgear cabinets
- ✓ Bounce-free switching signal (DC O K)
- ✓ Suitable for both parallel and series operation
- ✓ Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1; PELV per EN 60204
- ✓ GL approval

# Specifications

## INPUT

Phases	1
Nominal input voltage	100 to 240 VAC
Input voltage range	85 to 264 VAC; 120 to 372 VDC
Input voltage derating	-2.5 %/V (< 95 VAC)
Input current	$\leq 0.97$ A (240 VAC); $\leq 1.84$ A (100 VAC)
Discharge current	$\leq 1$ mA
Inrush current	$\leq 30$ A
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 80$ ms (230 VAC); $\geq 15$ ms (100 VAC)

## OUTPUT

Nominal output voltage	48 VDC (SELV)
Output voltage range	40 to 53 VDC (adjustable)
Factory preset	48 VDC
Nominal output current	2 A (48 VDC); 2.1 A (< 40 °C)
Nominal output power	96 W

## SIGNALING AND COMMUNICATION

Signaling	1 x LED DC OK (green); 1 x active signal output DC OK (48 VDC, 10 mA)
Operation status indicator	LED green

## EFFICIENCY

Power loss	$\leq 1$ W (230 VAC; no load); $\leq 16.2$ W (230 VAC; nominal load)
Max. power loss	$\leq 19.8$ W (100 VAC / 48 VDC; 2 A)
Efficiency	$\geq 86\%$

## FUSE PROTECTION

Internal fuse	T 4 A / 250 VAC
External fuse (required)	External DC fuse required for DC input voltage
External fuse (recommended)	Circuit breakers 6 A, 10 A, 16 A, characteristic: B or C and external DC fuse required for DC input voltage

## GENERAL

Dimensions (WxHxL)	52mmx90mmx119mm
Weight	410 g
Type of mounting	DIN-35 rail
Protection class	II
Degree of protection	IP20

## ENVIRONMENTAL

Operating Temperature	-25 to 70 °C
Storage Temperature	-25 to 85 °C
Relative humidity	5-96 % (no condensation permissible)
Derating	-3 %/K (> 50 °C)

## STANDARDS

Conformity marking	CE
Standards/specifications	EN 60950-1; EN 61204-3; EN 60335-1; UL 60950-1; UL 508; GL

## Used With



#### FCDC2

Flowire Ethernet Converter - non-PoE This product has been replaced by 1008080310 FCDC3 Flowire Ethernet Converter



#### FCDC3

Flowire Ethernet Converter - DC Voltage