

# Capacitive UPS PC-0424-017-0



## Advantages

Up to 40 A output current
Long buffer times up to the minute range
Minimal maintenance due to long life of the ultra-capacitors
Parameterization via rotary switch or via USB interface
Shock and vibration-proof USB socket
Stabilized output voltage with hard cut-off characteristic
Expandable by capacity modules

## Applications

Maintenance-free capacitive UPS to secure the power supply during short power interruptions.

## Standards

Safety:  
IEC 61010 (SELV) (PELV)

EMC:  
EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

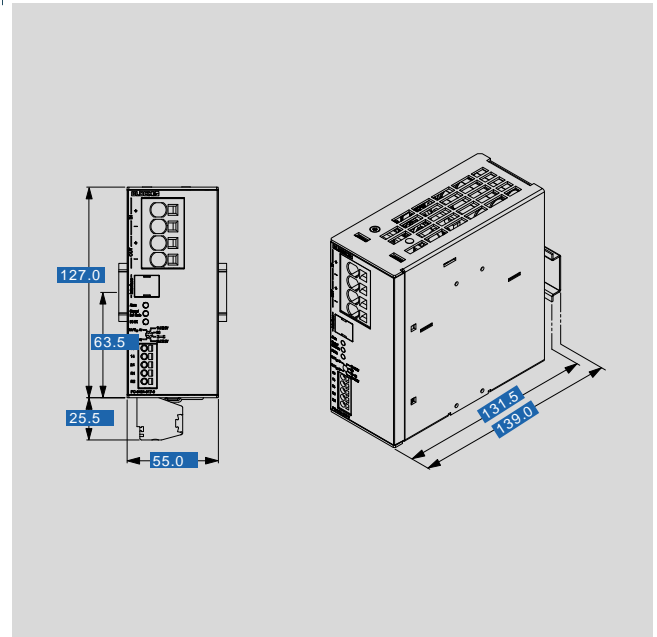
## Approvals



# Capacitive UPS PC-0424-017-0

Type		PC-0424-017-0
Electrical data	Input	
	Input rated voltage	24 Vdc
	Input voltage range	23.5 – 29 Vdc
	Input rated current	20 A
	Interface	USB 2.0
	Switching threshold for buffer mode	22.5 – 28 Vdc
	Output	
	Output rated voltage	24 Vdc
	Output rated voltage, battery mode	22 – 28 Vdc
	Resistance to reverse feed max.	35 Vdc
	Output rated current	20 A
	Buffer period	41 s (1 A) / 1 s (20 A)
	Charging time	117 s (1 A) / 39 s (3 A)
	Overload behaviour	Constant current: 22 A, 44 A
	Parallel connection	Yes
Serial operation	No	
Efficiency	typ. 99 %	
Storage medium		
Type of the storage medium	Capacitors, internal	
Charging current	Adjustable	
Signaling		
Operating status	LED green, LED red, LED yellow	
Potential-free signal contact	Freely parametrisable via interface	
Environment		
Ambient temperature	-40 °C to +60 °C	
Storage temperature	-40 °C to +85 °C	
Safety and protection		
Protection index	IP 20	
Safety class	III, without PE connection	
Order numbers		
<b>Order Number</b>	<b>PC-0424-017-0</b>	

Type		PC-0424-017-0
Mechanical data	Terminal and mounting	
	Terminals input, (spring clamp terminal, pluggable)	max. 10 mm <sup>2</sup>
	Terminals output, (spring clamp terminal, pluggable)	max. 10 mm <sup>2</sup>
	Terminals signalling, (spring clamp terminal, pluggable)	max. 2.5 mm <sup>2</sup>
Mounting position	vertical	
Fixing method	DIN Rail system TS35	
Measures and weights		
Weight	0.75 kg	



Subject to change.