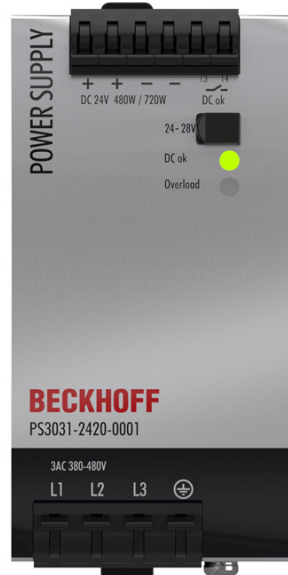
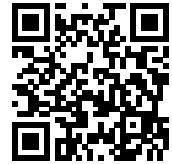


PS3031-2420-0001 | Power supply PS3000; output: 24 V DC, 20 A; input: 3 AC 380...480 V, 3-phase



i Product status: Regular delivery

The power supply PS3031-2420-0001 is a 3-phase, 24 V DC power supply with an output current of 20 A and an output power of 480 W. On the input side, the device has a wide range input, an active power factor correction (PFC) and an inrush current surge regulation.

The PS3031-2420-0001 has an extra power with a maximum output power of 150% for 4 seconds and can precisely trigger fuses with short-term peak current. The power supply belongs to the PS3000 family and has a width of 65 mm. A DC-OK LED, an overload LED and a potential-free relay contact monitor the status of the output voltage.

Product information

Technical Data

Technical data	PS3031-2420-0001
Input voltage	3 AC 380...480 V
Wide-range input	yes
Input current	typ. 0.79 A at 400 V AC
Switch-on current limiter	yes
Mains frequency	50...60 Hz
Starting current	typ. 3 A peak at 400 V AC
Harmonic correction (PFC)	active
Output voltage	24 V DC

Adjustment range	24...28 V DC
Output current	20 A
Output	480 W
Output power for 4 s	720 W
Extra power	50 %/4 s
Precise fuse release	yes
DC OKLED	yes
Overload LED	yes
Efficiency	approx. 95 %
Operating temperature	-25...+70 °C
Vibration resistance	conforms to EN 60068-2-6
Shock resistance	conforms to EN 60068-2-27
Weight	approx. 870
Approvals/markings	CE, UL508
Protection class	IP 20

Housing data	Power supply
Dimensions (W x H x D)	65 mm x 124 mm x 127 mm
Material	aluminium
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Wiring	spring-loaded technique
Connection cross-section	e*: max. 6 mm ² , f*: max. 4 mm ² , a*: max. 4 mm ²
Connection cross-section AWG	AWG 10
Stripping length	9...10 mm

*s: solid wire; st: stranded wire; f: with ferrule