



Single phase primary switched power supply

- Stabilised and adjustable output voltage
- Parallel operation
- Push-In terminals
- Panel installation on mounting rails
- DC OK Signalling



Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 8741 ▶ Mass Flow Controller (MFC)/ Mass Flow Meter (MFM) for Gases
	Type 8905 ▶ Online Analysis System
	Type 8640 ▶ Customized Pneumatic Systems Solutions for the Processing Industries
	Type 8644 ▶ Remote Process Actuation Control System AirLINE
	Type 8619 ▶ multiCELL - Multi-channel and multi-function transmitter/controller

Type description

Efficient, primary switched mode power supply in slim plastic housing. A powerful and flexible option that's still light and compact. These power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology as well as industrial and building automation. The output voltage can be easily set using the rotary potentiometer on the front of the housing. The DIN rail fastening method and push-in connection terminals enable fast and secure mounting.

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1. General technical data

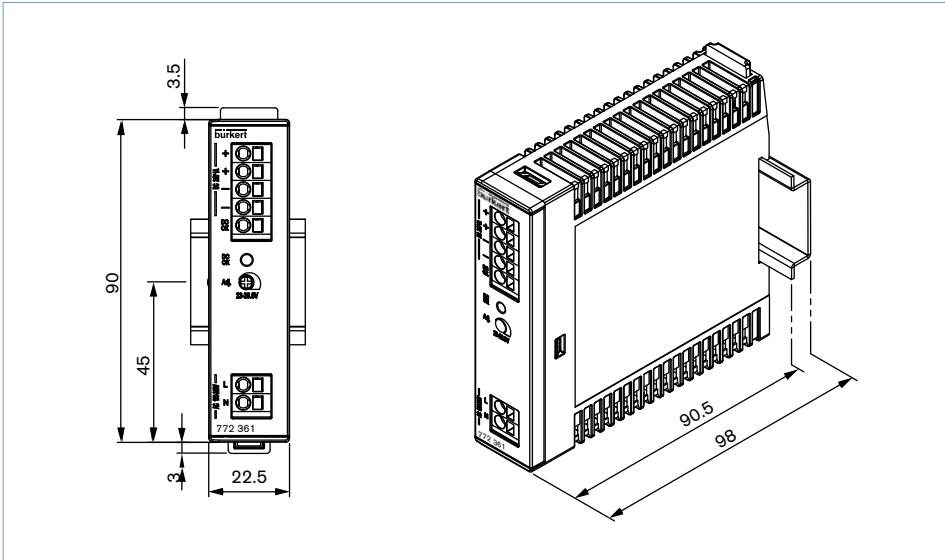
Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 5
Transient surge voltage protection (varistor)	Yes
Parallel operation	Yes
Serial operation	Yes
Signaling	
Signaling 'DC OK' (LED lit permanently green)	$U_{out} > 21.5 \text{ V}$
Terminals Signaling	Push-In, max. 2.5 mm ²
Electrical data	
Input data	
Nominal Input Voltage	AC 100...240 V
Input Voltage range	85...264 V AC (120...372 V DC)
Frequency range	47 Hz...63 Hz/0 Hz
Inrush current limitation	<30 A, NTC
Terminal input	Push-In, max. 2.5 mm ²
Output data	
Nominal Output Voltage	24 V DC \pm 1 %
Resistance to reverse feed max. (nominal load)	Max. 35 V DC
Terminal Output	Push-In, max. 2.5 mm ²
Approvals and certificates	
Protection class acc. to IEC 60529	IP20
Norms	
Safety	EN 61558-2-16, EN 60950-1
EMC	EN 61204-3, EN 60335-1
Safety extra-low voltage (SELV/PELV)	IEC 60364-4-41 (DIN VDE 0100-410)
CE acc. to 2004/108/EC and 2006/95/EC	Yes
Mounting on standard rail DIN EN 60715-TH35-5/7.5	Yes
Environment and installation	
Storage Temperature	-25 °C... +85 °C
Required minimum spacing (over/under)	50 mm
Convection Cooling	Yes

1.1. Technical data for articles 772361, 772362, 772898 and 772698

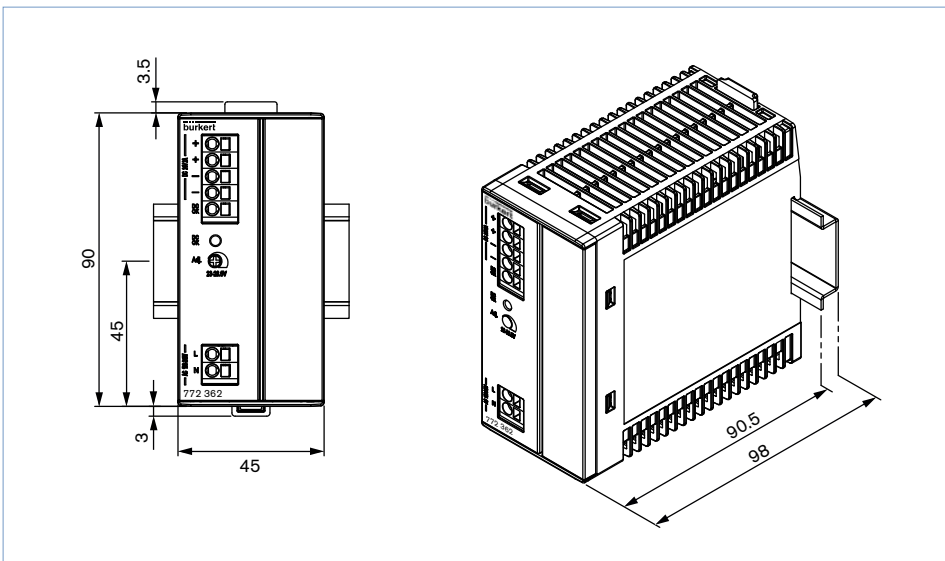
Product properties	772361	772362	772898	772698
Dimensions (W x H x D)	22.5×90×97.5 mm	45×90×97.5 mm	52×90×111 mm	55×127×161 mm
Weight	128 g	210 g	390 g	930 g
Signal contact DC OK (active high)	U _{out} > 21.5 V max. 20 mA @ 24 V DC	U _{out} > 21.5 V max. 20 mA @ 24 V DC	U _{out} > 21.5 V max. 20 mA @ 24 V DC	–
Signal output DC OK relay, contact closed	–	–	–	U _{out} > 21.5 max. 30 V/1 A
Electrical data				
Input data				
Input voltage derating	-2.5 %/Vac < 95 V AC	-2.5 %/Vac < 95 V AC	-2.5 %/Vac < 95 V AC	-2.5 %/Vac < 100 V AC
Nominal input current (nominal load)	0.49 A (100 V AC)/ 0.28 A (240 V AC)	0.82 A (100 V AC)/ 0.48 A (240 V AC)	1.73 A (100 V AC)/ 0.95 A (240 V AC)	2.74 A (100 V AC)/ 1.25 A (230 V AC)
Turn-on time after applying the main voltage	2.3 Sec. (100 V AC)/ 0.74 Sec. (230 V AC)	0.5 Sec. (100 V AC)/ 0.27 Sec. (230 V AC)	0.5 Sec. (100 V AC)/ 0.2 Sec. (230 V AC)	1.3 Sec. (100 V AC)/ 0.25 Sec. (230 V AC)
Mains buffering (nominal load)	20/120 ms (100/230 V AC)	20/120 ms (100/230 V AC)	15/80 ms (100/230 V AC)	15/17 ms (100/230 V AC)
Recommended power circuit breaker (characteristic)	6 A, 10 A, 16 A (B,C)	6 A, 10 A, 16 A (B, C)	6 A, 10 A, 16 A (B,C)	10 A, 16 A (B,C)
Output data				
Output voltage range	23...28.5 V DC	23...28.5 V DC	23...28.5 V DC (>24 V DC constant power)	23...28.5 V DC
Nominal output current	1 A	2 A	3.8 A	10 A
Output current limitation constant current	Typ. 1.25...1.4 A	Typ. 2.25...2.4 A	Typ. 3.8...3.2 A	Typ. 11...13 A
Power losses (Stand-by/nominal load)	< 1 W/4 W (230 V AC)	< 1 W/6 W (230 V AC)	< 2.8 W/14 W (230 V AC)	6.6 W/24.4 W (230 V AC)
Maximum power losses	5 W (100 V AC/24 V/1 A)	7 W (100 V AC/24 V/2 A)	20 W (100 V AC/91 W)	31.3 W (100 V AC/24 V/10 A)
Efficiency	Typ. 86 %	Typ. 89 %	Typ. 87 %	Typ. 91 %
Ripple/noise	Typ. 20 mV _{ss}	Typ. 20 mV _{ss}	Typ. 20 mV _{ss}	Typ. 50 mV _{ss}
Protection against internal surge voltage (OVP)	Max. 39 V DC	Max. 37 V DC	Max. 40 V DC	Max. 40 V DC
Approvals and certificates				
Protection class acc. to EN 61140	II	II	II	I
UL	UL 508 listed	UL 508 listed	UL 508 listed	UL/CSA 60950 recognized (E213214), UL 508 listed (E219022)
UL 60950-1	UL 60950-1 recognized	UL 60950-1 recognized	UL 60950-1 recognized	–
Class 2 Output (UL Limited Power Source, LPS)	EN 60950-1	EN 60950-1	EN 60950-1, UL 1310	–
GL (in preparation)	GL (Germanisher Llyod) classified, Environment category: C, EMC 2			
Environment and installation				
Ambient temperature	-25 °C to +70 °C device start at -40 °C type-tested			
Derating	-3 % K > +50 °C	-3 % K > +50 °C	-3 % K > +50 °C	-5 %/K > +60 °C (196...264 V AC) -2.5 %/K > +50 °C (85...195 V AC)
Current rating at any mounting position	Max. 0.7 A	Max. 2.4 A	Max. 2.4 A	–
Humidity (no condensation)	5...96 %	5...96 %	5...96 %	5...96 %

2. Dimensions

2.1. Article no. 772361

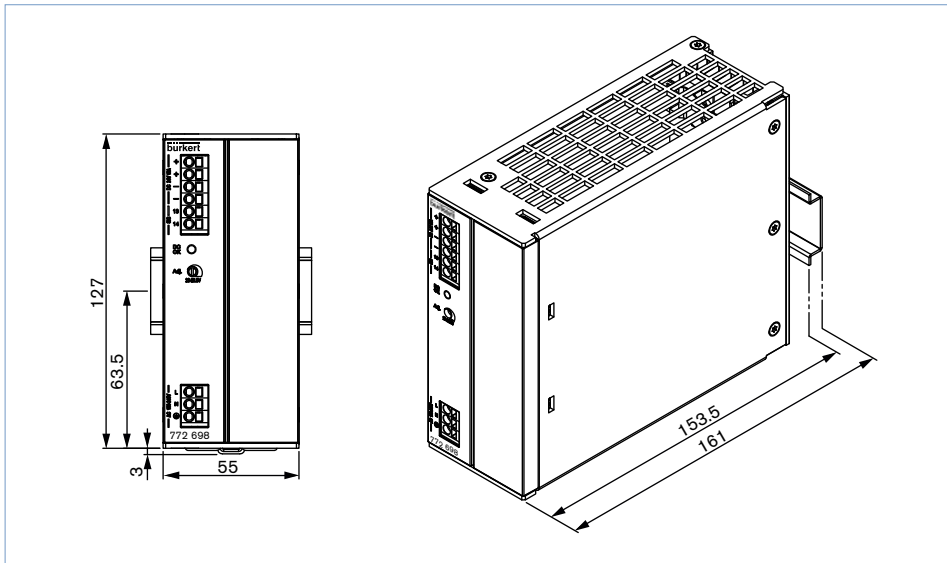


2.2. Article no. 772362

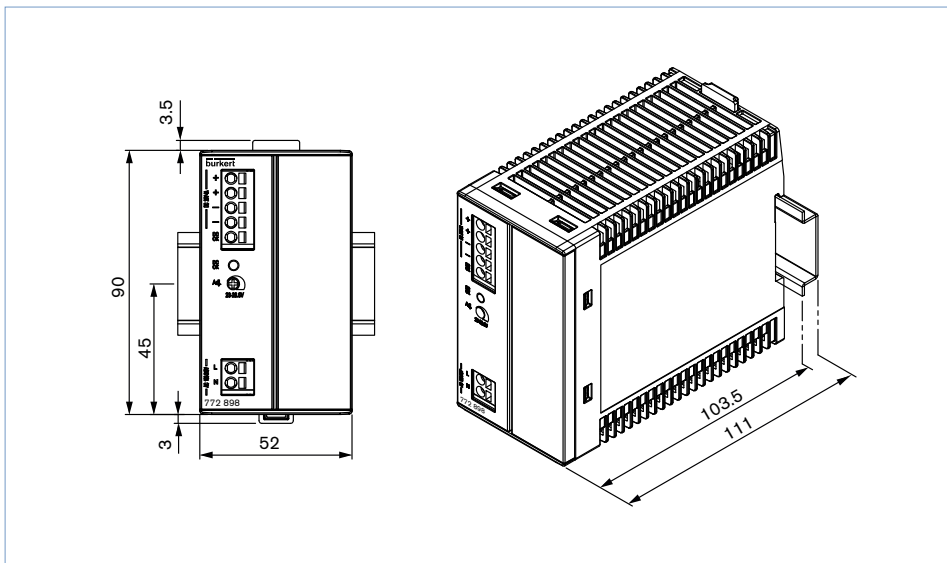


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2.3. Article no. 772698

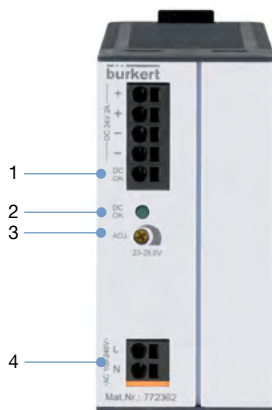


2.4. Article no. 772898



3. Device/Process connections

Assignment



No.	Element
1	DC Outputs (++--) and active 'DC OK' signal contact
2	LED Signalling 'DC OK'
3	Setting of output voltage
4	AC Line input (L N) without earth ^{1.)}

1.) AC Line input (L N PE) for Article no. 772698

4. Product installation

4.1. Installation notes

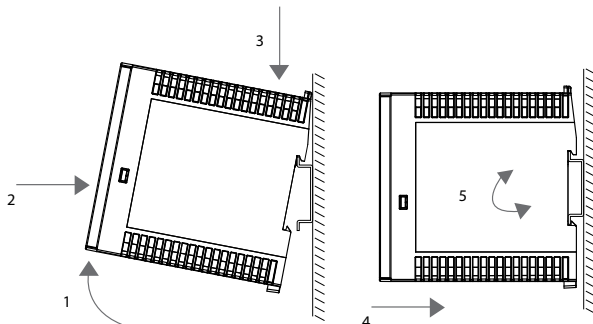
Note:

Always disconnect the equipment from the mains supply, before commencing installation or wiring.

Installation must be carried out according to the prevailing local conditions and safety regulations, national accident prevention regulations and the generally accepted rules of technology. This equipment is a component designed for installation into electrical systems and machines and fulfils the requirements of the low voltage guidelines (2006/95/EG).

The required minimum spacing to neighbouring components must be observed to guarantee the required cooling.

4.2. Assembly instruction



No.	Element
1	Tilt the unit slightly rearwards
2	Fit the unit over top hat rail
3	Slide it downward until it hits the stop
4	Press against the bottom front side for locking (click)
5	Shake the unit slightly to check the locking action

5. Ordering information

5.1. Bürkert eShop – Easy ordering and quick delivery



Bürkert eShop – Easy ordering and fast delivery

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5.2. Bürkert product filter







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5.3. Ordering chart

Nominal Current Output	Article no.
1 A	772361 
2 A	772362 
3.8 A	772898 
10 A	772698 

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