



### Single phase primary switched power supply

- Stabilised and adjustable output voltage
- Parallel operation
- Push-In connections
- DIN rail mounting
- DC OK signalling

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

#### Can be combined with

	<b>Type 8741</b> Mass flow controller (MFC)/mass flowmeter (MFM) for gases	▶
	<b>Type 8905</b> Online water analysis system	▶
	<b>Type 8640</b> Modular valve island for pneumatics	▶
	<b>Type 8644</b> AirLINE SP electropneumatic automation system	▶
	<b>Type 8619</b> multiCELL – multi-channel/multi-function transmitter/controller	▶

#### Type description

Efficient, primary switched mode power supply in slim plastic housing. A powerful and flexible option which is 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 standard DIN rail fastening method and push-in connection terminals enable fast and secure mounting.

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## 1. General technical data

### 1.1. Single phase primary switched power supply Typ 1573

Product properties	
Dimensions	Further information can be found in chapter "2. Dimensions" on page 5.
Signalling	
Signalling	$U_{out} > 21,5 \text{ V}$ "DC OK" (Green LED lights up continuously)
Connections for signalling	Push-in, maximum 2.5 mm <sup>2</sup>
Transient surge voltage protection (varistor)	Yes
Parallel operation	Yes
Serial operation	Yes
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, maximum 2.5 mm <sup>2</sup>
Output data	
Nominal output voltage	24 V DC $\pm$ 1 %
Regenerative strength	Max. 35 V DC
Output connections	Push-in, maximum 2.5 mm <sup>2</sup>
Approvals and conformities	
Directives <sup>1.)</sup>	The object of the declaration is in conformity with the relevant Union harmonisation legislation. <ul style="list-style-type: none"> <li>• 2014/35/EU</li> <li>• 2014/30/EU</li> <li>• 2011/65/EU</li> </ul>
Standards <sup>1.)</sup>	The following standards or technical specifications have been used for evaluation in accordance with the European directives. <ul style="list-style-type: none"> <li>• EN IEC 61010-2-201 (Date of issue 2018)</li> <li>• EN 61558-2-16 + A1 (Date of issue 2009 + 2013)</li> <li>• EN 61204-3 (Date of issue 2000)</li> <li>• EN IEC 63000 (Date of issue 2018)</li> </ul>
EMV	EN 61204-3
Mounting on standard rail	DIN EN 60715-TH35 - 15/7,5
Safety extra-low voltage (SELV/PELV)	IEC 60364 - 4 - 41 (DIN VDE 0100 - 410)
Environment and installation	
Storage temperature	-25 °C...+85 °C
Protection class	IP20 according to IEC 60529
Required minimum spacing (above/below)	50 mm
Convection cooling	Yes

1.) This declaration of conformity is issued under the sole responsibility of the manufacturer.

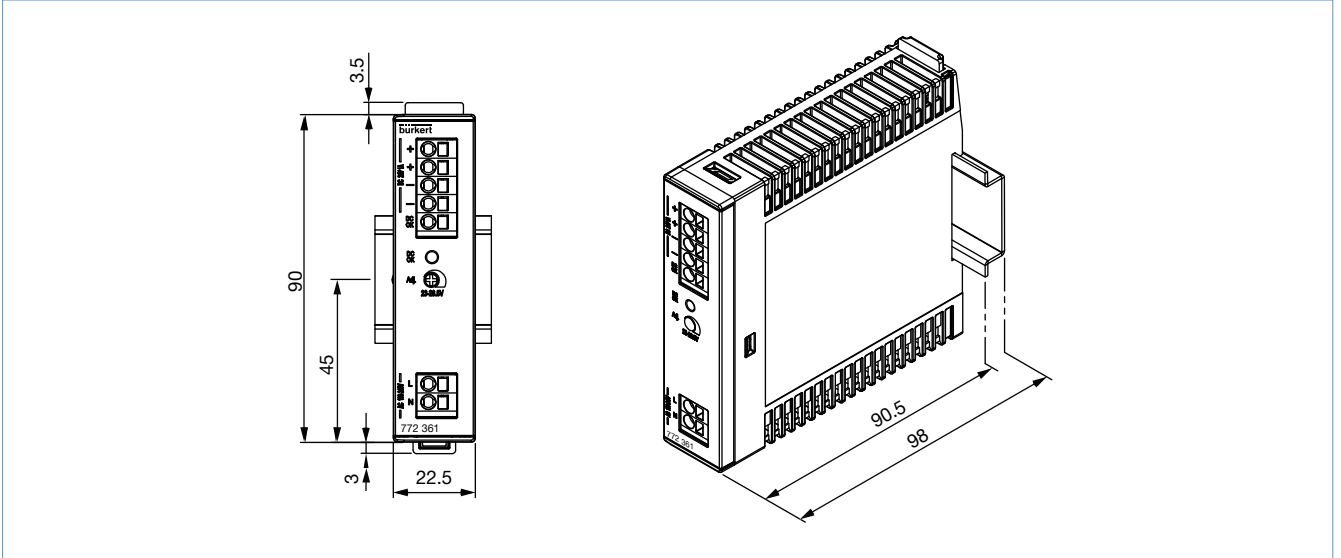
**1.2. Technical data for article no. 772361, 772362, 772898 and 772698**

Product properties	772361	772362	772898	772698
Dimensions (W x H x D)	22.5 x 90 x 97.5 mm	45 x 90 x 97.5 mm	52 x 90 x 111 mm	55 x 127 x 161 mm
Weight	128 g	210 g	390 g	930 g
Signal contact DC OK (active high)	Maximum $U_{out} > 21.5$ V 20 mA @ 24 V DC	Maximum $U_{out} > 21.5$ V 20 mA @ 24 V DC	Maximum $U_{out} > 21.5$ V 20 mA @ 24 V DC	–
Signal output DC OK relay, contact closed	–	–	–	$U_{out} > 21.5$ maximum 30 V/1 A
<b>Electrical data</b>				
<b>Input data</b>				
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 s (100 V AC)/ 0.74 s (230 V AC)	0.5 s (100 V AC)/ 0.27 s (230 V AC)	0.5 s (100 V AC)/ 0.2 s (230 V AC)	1.3 s (100 V AC)/ 0.25 s (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)
<b>Output data</b>				
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 (Standby/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 <sub>ss</sub>	Typ. 20 mV <sub>ss</sub>	Typ. 20 mV <sub>ss</sub>	Typ. 50 mV <sub>ss</sub>
Protection against internal surge voltage (OVP)	Maximum 39 V DC	Maximum 37 V DC	Maximum 40 V DC	Maximum 40 V DC
<b>Approvals and conformities</b>				
Protection class according 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 sRecognized	–
Class 2 output (UL Limited Power Source, LPS)	EN 60950 - 1	EN 60950 - 1	EN 60950 - 1, UL 1310	–
GL	GL (Germanischer Lloyd) classified, environment category: C, EMC 2			
<b>Environment and installation</b>				
Ambient temperature	-25 °C to +70 °C			
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	Maximum 0.7 A	Maximum 2.4 A	Maximum 2.4 A	–
Humidity (no condensation)	5...96 %	5...96 %	5...96 %	5...96 %

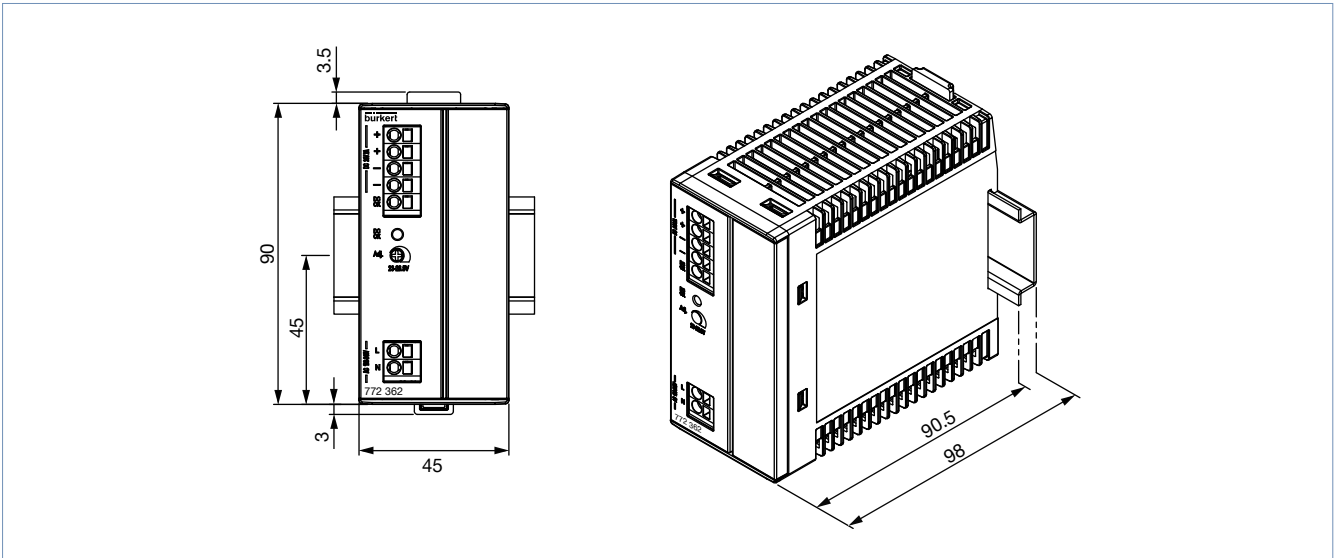
## 2. Dimensions

### 2.1. Power supply unit for standard rail

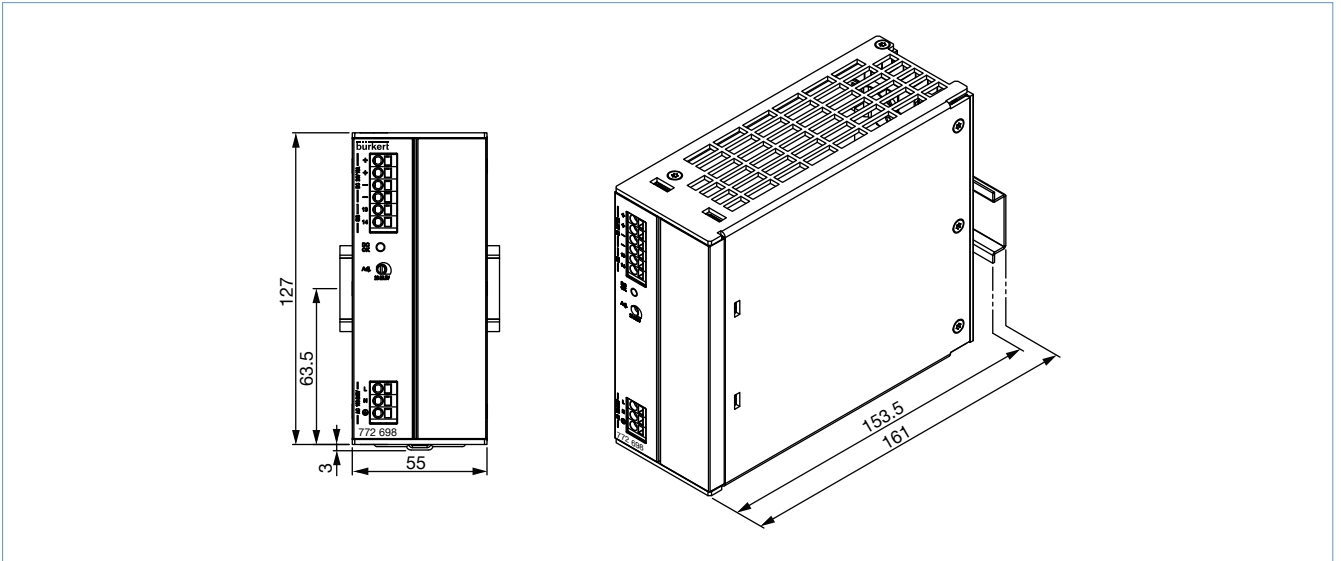
Type 1573, 100...240 V AC/24 V DC, 1 A, NEC Class 2 (UL 1310), article no. 772361



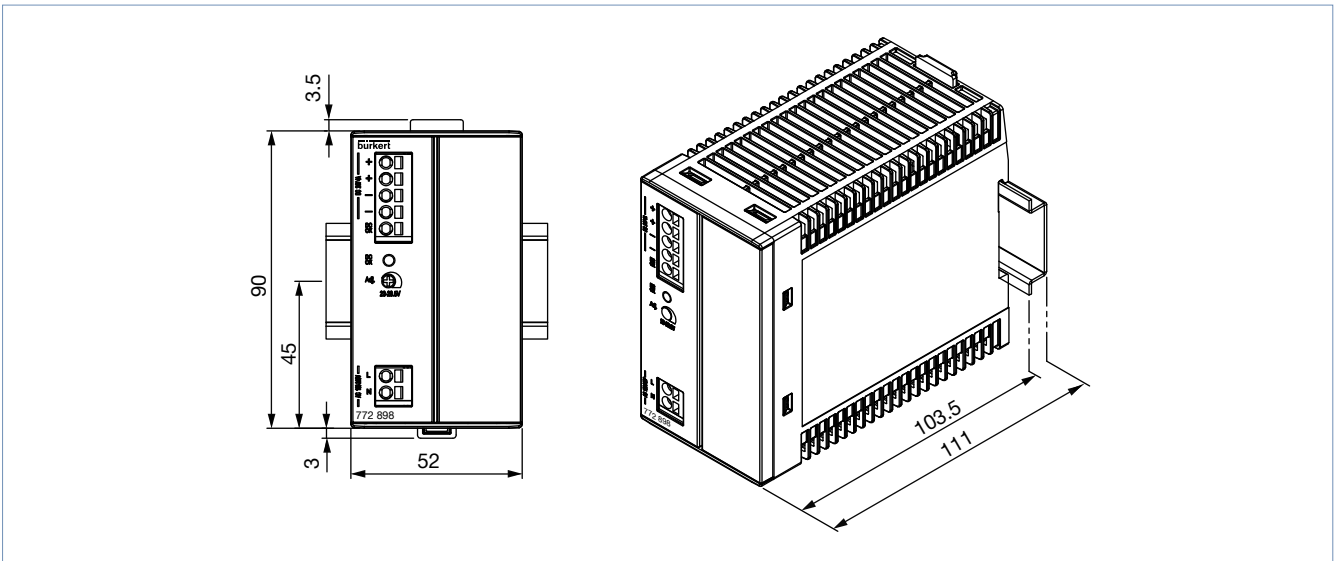
Type 1573, 100...240 V AC/24 V DC, 2 A, NEC Class 2 (UL 1310), article no. 772362



Type 1573, 100...240 V AC/24 V DC, 10 A, article no. 772698



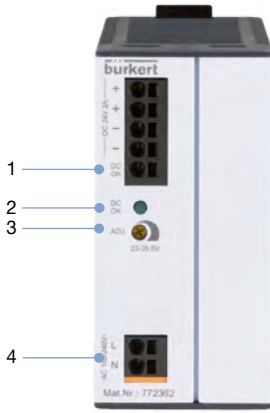
Type 1573, 100...240 V AC/24 V DC, 3.8 A, NEC Class 2 (UL 60950 - 1), article no. 772898



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### 3. Device/Process connections

#### 3.1. 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 <sup>1.)</sup>

1.) AC line input (L N PE) for article no. 772698

### 4. Product installation

#### 4.1. Installation notes

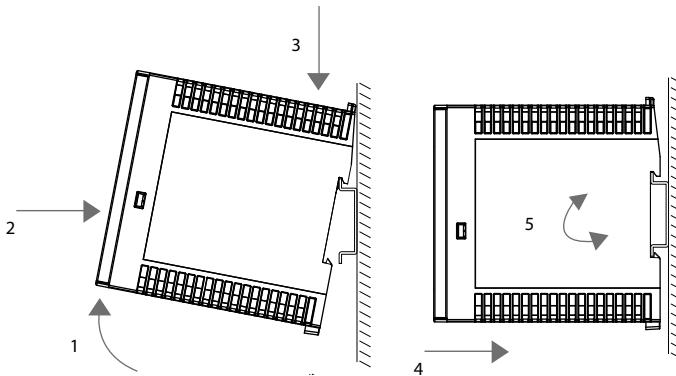
**Note:**

Always install and wire the equipment in a de-energised state.

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	Turn the unit slightly upwards.
2	Place on standard rail.
3	Push it down until it hits the stop.
4	Press it down against the mounting level (click).
5	Shake the device slightly to check locking action.

## 5. Ordering information

### 5.1. Bürkert eShop



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### 5.2. Bürkert product filter



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### 5.3. Ordering chart

Power supply unit for standard rail (Type 1573)	Article no.
100...240 V AC/24 V DC, 1 A, NEC Class 2 (UL 1310)	772361
100...240 V AC/24 V DC, 2 A, NEC Class 2 (UL 1310)	772362
100...240 V AC/24 V DC, 3.8 A, NEC Class 2 (UL 60950-1)	772898
100...240 V AC/24 V DC, 10 A	772698