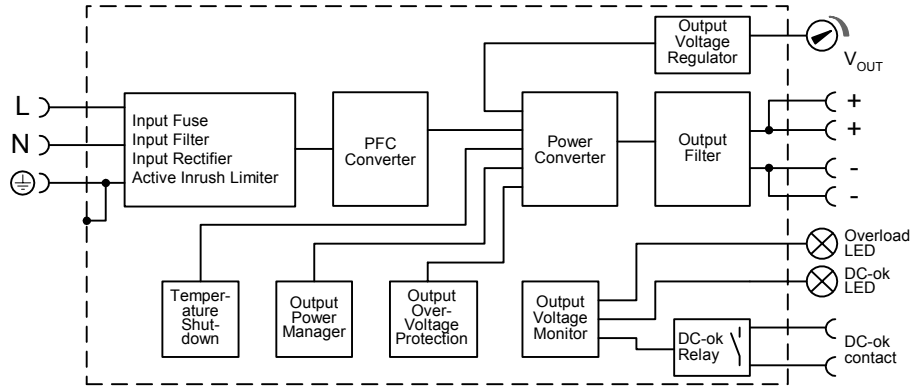
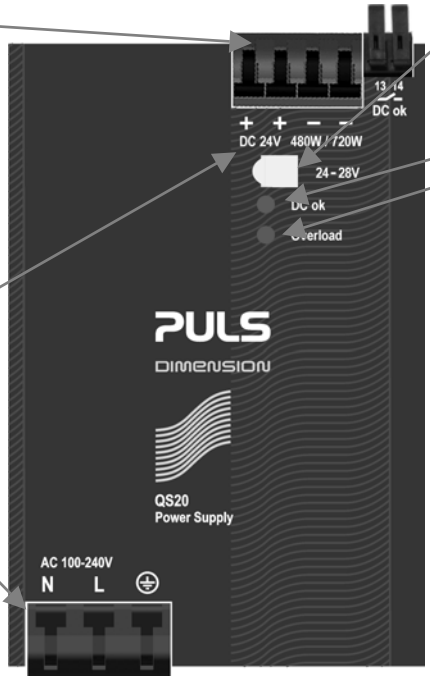
12. FUNCTIONAL DIAGRAM

Fig. 12-1 **Functional diagram**



13. FRONT SIDE AND USER ELEMENTS

Fig. 13-1 Front side



Output Terminals
Quick-connect spring-clamp terminals, no tools required
+ Positive output pole
- Negative output pole
Dual pins per pole

DC ok Relay contact (NO-contact)

480W Continuous power / 720W Peak power

Input Terminals
Quick-connect spring-clamp terminals, no tools required
N … Neutral input
L … Line (hot) input
⏚ … PE (Protective Earth)
See chapter 14 "Terminals and Wiring" to choose appropriate wire gauges

Output voltage potentiometer
(multi turn potentiometer)
Open the flap to tune the output voltage.
Factory setting: 24.1V

DC-ok LED (green)
Overload LED (red)

	Overload LED	DC-ok LED	DC-ok contact
Normal mode	OFF	ON	Closed
BonusPower® mode	OFF	ON	Closed
Overload (V_{OUT} > 90%)	OFF	ON	Closed
Overload (V_{OUT} < 90%)	*)	OFF	Open
Short-circuit (V_{OUT} = ca. 0V)	*)	OFF	Open
Over- temperature	*)	OFF	Open
No input power	OFF	OFF	Open

DC-ok LED and DC-ok contact function synchronized

*) Up to 4s of overloading, the power supply delivers continuous output current. After this, the output power is reduced to nearly zero for approx. 17s before a new start attempt is automatically performed. If the overload has been cleared, the device will operate normally. If the overload still exists, the output current will be delivered for 2 to 4s (depending on the overload) again followed by a 17s rest time. This cycle is repeated as long as the overload exists.

The red overload LED is permanently on when the overload current is continuously flowing. During the 17s rest period, the red LED is flashing with a frequency of approx. 1.3Hz.