

Power supply unit 220 V AC / 24 V DC
PS 220/24-20



Application

PS 220/24-20 is a fully sealed AC/DC power supply designed for residential and industrial use as part of the group control of TwinFresh Easy series devices based on the ST1 controller and KV1 and KV2 control panels.

Design

The transformer is supplied in a compact dust and waterproof casing, protected according to the IP68 standard, and also meets the requirements of IEC/EN 62368-1, IEC/EN 60335-1 and IEC/EN 60601-1 3rd edition and is certified according to 2xMORR.

Installation

The transformer is installed indoors. Transformers must be installed outside the area of high humidity and temperature. Flush mounting behind a suspended ceiling or in a niche in the wall is possible. PS 220/24-20 is a built-in power supply unit. It is mounted in wall sockets.

The wires used for connection are loose. Fire safety requirements must be met during installation and operation. Do not install transformers above heating devices.



Technical data

	PS 220/24-20
Power [W]	24
Voltage AC [V]	85..264
Rated input current [A]	0,5-0,25
Input frequency [Hz]	47-63
Inrush current 115/230 V AC [A]	25/50
Output voltage DC [V]	24
Output current [A]	1
Circuit breaker rating / Characteristic	6 - 16A / Characteristic B or C
Power factor [λ]	0,47
Output power derating -Temperature	2% / V below 100 VAC
Output power derating -Input voltage	2% / K above 50 °C
Means of protection	2 x MOOPP
Leakage current (max) [μA]	100
Touch current (max) [μA]	100
Network configuration	TN-S, TN-C, TT, IT
No. of outputs	1
Efficiency ratio [%]	89
Maximum casing temperature [°C]	95
Operating temperature [°C]	20..80
Storage temperature [°C]	40..90
Maximum altitude	5000 m / 50-106 kPa
External dimensions [mm]	53 x 51 x 24,5
IP rating	IP68

Overall dimensions [mm]

