

# Primary switch mode – single-phase

Stabilized output voltage

Short-circuit and overload protected

Touch protected to EN 60529 (IP20)

PIP- *Power* +

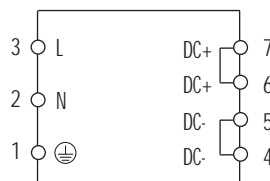
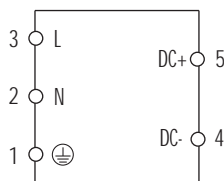
Approvals:

MCS with PFC

Input voltage 90...265 V AC



## Circuit diagram



## Ordering data

Output rating	Art.-No.	Art.-No.	Art.-No.
24 V DC/ 5 A 120 W	85061		
24 V DC/ 10 A 240 W		85062	
24 V DC/ 20 A 480 W			85063

## Input

Input voltage	90...265 V AC; 125...300 V DC	90...265 V AC; 130...300 V DC
Input current	1.4 A (100 V AC)/0.6 A (240 V AC)	2.7 A (100 V AC)/1.1 A (240 V AC)
Inrush	< 25 A	< 30 A
Primary fusing	max. 10 A	max. 16 A
Frequency	50/60 Hz	

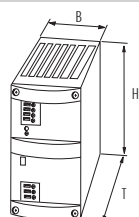
## Output

Output voltage	24 V DC, SELV $\pm 1\%$ ; 24...28 V adjustable	
Nom. output current	5 A (60 °C); 6 A (40 °C, 110...265 V AC)	10 A (60 °C); 12 A (40 °C, 110...265 V AC) 20 A (60 °C); 24 A (40 °C, 110...265 V AC)
Efficiency	0.83 (115 V AC)/0.87 (230 V AC)	0.88 (115 V AC)/0.9 (230 V AC)
Mains failure bridging	> 18 ms	> 15 ms > 18 ms
Ripple	< 20 mV eff	
Spikes typical	80 mV ss	200 mV ss 250 mV ss
Protection	short-circuit and overload protected	
Status indicator	green LED at output voltage	
Choosable switch off mode	front sided bridging link (self activating re-start or definite shutoff)	
Parallel usage/Serial usage	yes/yes	

## General data

Guidelines	EN 60950-1, EN 61204-3, EN 55022 B, EN 61000-3-2	
Temperature range	0...+60 °C	
Relative humidity	5...95 %, no condensation	
Mounting method	DIN-rail mounting to EN 60715 (TH35)	screw mount. M 4, 4 pieces $\square$ 60 x 197 mm
Weight	0.75 kg	1.5 kg 2.7 kg
Dimensions H x B x T	115 x 54 x 151 mm	127 x 68 x 204 mm 209 x 84 x 233 mm

## Dimension drawing



## Notes

MCS primary switch mode meets EN 61000-3-2 guideline.  
Mounting adapter for side mounting see page 4.9.2