

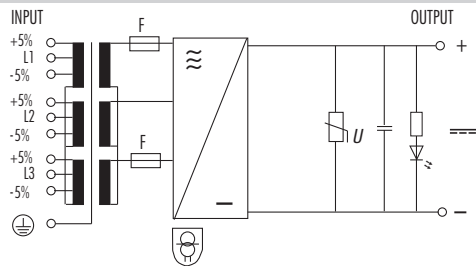
Smoothed
to EN 61558

Touch protected to
EN 60529 (IP20)

MDG
Input voltage 3 x 400 V AC ± 5 % tapings



Circuit diagram



Ordering data		Art.-No.
	Output rating	
24 V DC/2.5 A	60 W	85771
24 V DC/5.0 A	120 W	85773
24 V DC/7.5 A	180 W	85775
24 V DC/10 A	240 W	85777
24 V DC/15 A	360 W	85779
24 V DC/20 A	480 W	85781

Input	
Input voltage	3 x 400 V AC ± 5 %
Input current	0.12/ 0.24/ 0.34/ 0.46/ 0.66/ 0.9 A
Input fuse (external)	0.2/ 0.4/ 0.5/ 0.63/ 1.0/ 1.6 A T
Frequency	50/60 Hz

Output	
Output voltage	24 V DC SELV
Max. output current	2.5/ 5/ 7.5/ 10/ 15/ 20 A
Efficiency	0.71/ 0.7/ 0.7/ 0.73/ 0.77/ 0.78
Effective ripple	< 2 %
Output fuse	2 x 3 A/ 2 x 5 A/ 2 x 7.5 A/ 2 x 10 A/ 2 x 15 A/ 2 x 20 A (automotive fuse)
Output suppression	LED, VDR and smoothing capacitors

General data	
Test voltage	EN 61558-2-6, EN 62041 Cat. 1, EN 55011 B, EN 61000-3-2
Temperature range	-20...+60 °C, no condensation
Mounting method	key-hole mounting, at MDG 2.5 A (85771) and MDG 5 (85773) no key-hole but long-hole mounting (90° position)

Dimension drawing/Fixing centers (mm)		H x B x T	a x b x c	Weight
	2.5 A	125 x 87 x 146	100 x 46.5 x 5	2.4 kg
	5.0 A	125 x 87 x 146	100 x 56 x 5	2.85 kg
	7.5 A	185 x 93 x 178	164 x 57.5 x 6.3	4.4 kg
	10 A	185 x 97 x 178	164 x 57.5 x 6.3	4.8 kg
	15 A	185 x 107 x 178	164 x 71.5 x 6.3	6.85 kg
	20 A	220 x 113 x 215	195 x 61 x 7.8	8.15 kg

Notes	
MDG power supply units meet EN 61000-3-2 guideline. Replacement fuses see page 4.9.2	

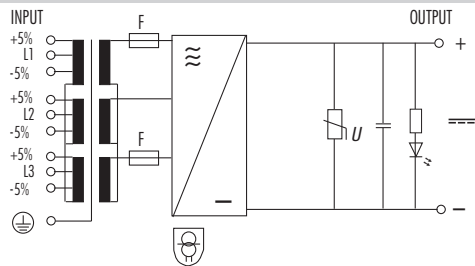
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Input voltage 3 x 400 V AC ± 5 % tapings



Circuit diagram



Ordering data		Art.-No.
	Output rating	
24 V DC/ 25 A	600 W	85783
24 V DC/ 30 A	720 W	85785
24 V DC/ 40 A	960 W	1) 85763
24 V DC/ 50 A	1200 W	1) 85951
24 V DC/ 60 A	1440 W	1) 85793

Input	
Input voltage	3 x 400 V AC ± 5%
Input current	1.17/ 1.39/ 1.88/ 2.27/ 2.82 A
Input fuse (external)	1.6/ 2.0/ 3.15/ 4.0 A T / motor protection switch 3 A
Frequency	50/60 Hz

Output	
Output voltage	24 V DC SELV
Max. output current	25/ 30/ 40/ 50/ 60 A
Efficiency	0.77/ 0.77/ 0.78/ 0.79/ 0.82
Effective ripple	< 2 %
Output fuse	2 x 25 A/ 2 x 30 A (automotive fuse)
Output suppression	LED, VDR and smoothing capacitors

General data	
Test voltage	EN 61558-2-6, EN 62041 Cat. 1, EN 55011 B, EN 61000-3-2
Temperature range	-20...+60 °C, no condensation
Mounting method	key-hole mounting

Dimension drawing/Fixing centers (mm)		H x B x T	a x b x c	Weight
	25 A	220 x 122 x 215	195 x 80 x 7.8	11.0 kg
	30 A	240 x 120 x 236	215 x 87 x 8	13.1 kg
	40 A	280 x 135 x 267	256.5 x 96 x 11	17.8 kg
	50 A	280 x 143 x 267	256.5 x 106 x 11	20.9 kg
	60 A	280 x 168 x 270	256.5 x 116 x 11	26.1 kg

Notes	
MDG power supply units meet EN 61000-3-2 guideline. Not required for Art.-No. 85951 and 85793.	
1) Without fuses. Replacement fuses see page 4.9.2	