

Smoothed

to EN 61558

Touch protected to EN 60529 (IP20)

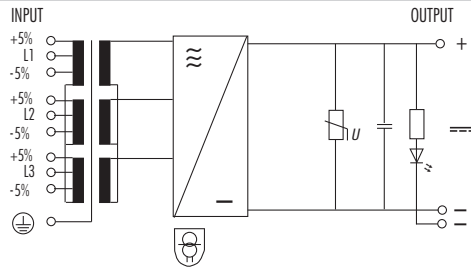
Approvals:

MPL

Input voltage 3 x 400 V AC \pm 5 % toppings



Circuit diagram



Ordering data		Art.-No.
	Output rating	
24 V DC/5.0 A	120 W	85921
24 V DC/7.5 A	180 W	85923
24 V DC/10 A	240 W	85925
24 V DC/15 A	360 W	85927
24 V DC/20 A	480 W	85929

Input	
Input voltage	3 x 400 V AC \pm 5 %
Input current	0.3 / 0.42 / 0.55 / 0.8 / 1.1 A
Input fuse (external)	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	5 / 7.5 / 10 / 15 / 20 A
Efficiency	0.72 / 0.72 / 0.75 / 0.77 / 0.78
Effective ripple	< 2 %
Output fuse (external)	5 / 7.5 / 10 / 15 / 20 A T
Output suppression	LED, VDR and smoothing capacitors

General data	
Test voltage	EN 61558-2-6, EN62041 Cat. 1, EN 55011 B, EN 61000-3-2
Temperature range	-20...+55 °C, mounting on vertical plane at any desired orientation, no condensation
Mounting method	key-hole mounting, at MPL 5 A (85921) 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	
	5 A	125 x 72.5 x 153	100 x 56.5 x 5	2.85 kg
	7.5 A	185 x 78 x 188	164 x 58 x 6.5	4.4 kg
	10 A	185 x 78 x 188	164 x 58 x 6.5	4.8 kg
	15 A	220 x 82 x 208	195 x 60 x 8	8.15 kg
	20 A	220 x 103 x 213	195 x 81 x 8.5	10.5 kg

Notes
MPL power supply units meet EN 61000-3-2 guideline.

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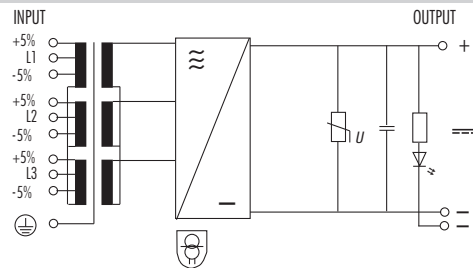
Approvals:

MPL

Input voltage 3 x 400 V AC ± 5 % toppings



Circuit diagram



Ordering data

	Output rating	Art.-No.
24 V DC/25 A	600 W	85931
24 V DC/30 A	720 W	85933
24 V DC/40 A	960 W	85935
24 V DC/50 A	1200 W	85937
24 V DC/60 A	1440 W	85939

Input

Input voltage	3 x 400 V AC ± 5 %
Input current	1.35/ 1.6/ 2.0/ 2.5/ 3.1 A
Input fuse (external)	1.6/ 2.0/ 3.15/ 4.0/ 4.0 A T
Frequency	50/60 Hz

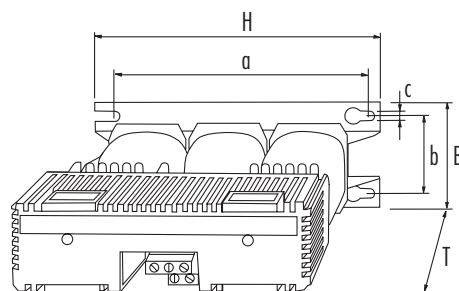
Output

Output voltage	24 V DC SELV
Max. output current	25/ 30/ 40/ 50/ 60 A
Efficiency	0.78/ 0.76/ 0.77/ 0.79/ 0.78
Effective ripple	< 2 % eff
Output fuse (external)	25/ 30/ 40/ 50/ 60 A T
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...+55 °C, mounting on vertical plane at any desired orientation, 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 103 x 213	195 x 81 x 8.5	11 kg
30 A	240 x 107 x 250	215 x 87 x 8.5	13.5 kg
40 A	280 x 124 x 313	256.5 x 98 x 11	17.8 kg
50 A	280 x 134 x 313	256.5 x 108 x 11	20.9 kg
60 A	280 x 154 x 313	256.5 x 128 x 11	26.1 kg

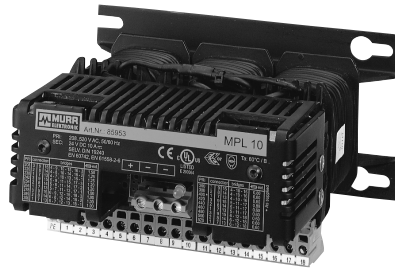
Notes

MPL power supply units meet EN 61000-3-2 guideline. Not required for Art.-No. 85937 and 85939.

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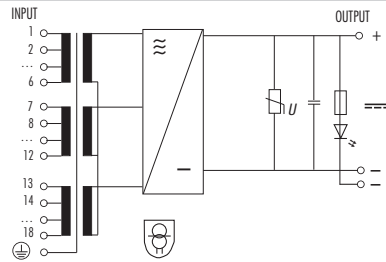
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MPL
Input voltage 3 x 208...520 V AC



Approvals:

Circuit diagram



Ordering data	Output rating	Art.-No.	Art.-No.
24 V DC / 10 A	240 W	85953	
24 V DC / 15 A	360 W		85954

Input	
Input voltage (fuse external)	3 x 208...520 V AC
Frequency	50/60 Hz
Output	
Output voltage	24 V DC SELV
Max. output current	10 A
Efficiency	0.73
Effective ripple	< 2 %
Output fuse (external)	10 A T
Output suppression	LED, VDR and smoothing capacitors

General data	
Test voltage	EN 61558-2-6, EN62041 Cat. 1, EN 55011 B, EN 61000-3-2
Temperature range	-20...+55 °C, mounting on vertical plane at any desired orientation, no condensation
Mounting method	key-hole mounting

Dimension drawing/Fixing centers (mm)	H x B x T	a x b x c	Weight	
	10 A	185 x 93 x 188	164 x 74 x 6.5	6.6 kg
	15 A	220 x 82 x 208	195 x 60 x 8	7.5 kg
	25 A	220 x 103 x 213	195 x 81 x 8.5	11.1 kg
	40 A	280 x 124 x 313	256.5 x 98 x 11	17.9 kg
	50 A	280 x 134 x 313	256.5 x 108 x 11	20.9 kg

Notes
MPL power supply units meet EN 61000-3-2 guideline.

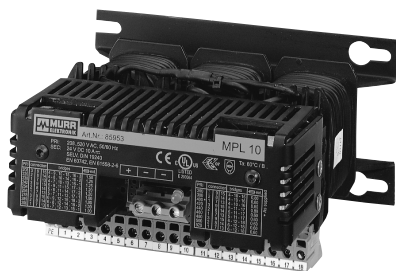
Power supplies – three-phase

Smoothed
to EN 61558

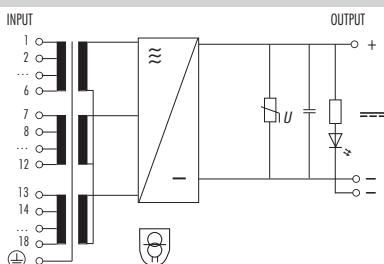
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Approvals:

MPL
Multiple primary voltages 3 x 208...520 V AC



Circuit diagram



Ordering data	Art.-No.	Art.-No.	Art.-No.
Output rating			
24 V DC/ 25 A 600 W	85955		
24 V DC/ 40 A 960 W		85956	
24 V DC/ 50 A 1200 W			85957

Input	
Input voltage (fuse external)	3 x 208...520 V AC
Frequency	50/60 Hz
Output	
Output voltage	24 V DC SELV
Max. output current	25 A 40 A 50 A
Efficiency	0.73 0.79 0.77
Effective ripple	< 2 %
Output fuse (external)	25 A T 40 A T 50 A T
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...+55 °C, mounting on vertical plane at any desired orientation, no condensation
Mounting method	key-hole mounting

Wiring possibilities Dimension drawing/Fixing centers see page 4.4.4	Input voltage	L1	L2	L3	Bridges	Fusing (slow blow)	10 A	15 A	25 A	40 A	50 A
							1.50	2.00	3.20	5.00	7.00
208 V AC	3	9	15	4 - 9, 10 - 15, 16 - 3		1.25	2.00	3.00	5.00	6.25	
220 V AC	2	8	14	4 - 8, 10 - 14, 16 - 2		1.25	1.80	3.00	5.00	6.00	
230 V AC	1	7	13	4 - 7, 10 - 13, 16 - 1		1.25	1.80	2.80	5.00	6.00	
242 V AC	3	9	15	5 - 9, 11 - 15, 17 - 3		1.25	1.80	2.80	5.00	6.00	
254 V AC	2	8	14	5 - 8, 11 - 14, 17 - 2		1.25	1.60	2.80	5.00	6.00	
266 V AC	1	7	13	5 - 7, 11 - 13, 17 - 1		1.00	1.60	2.50	4.00	5.00	
278 V AC	3	9	15	6 - 9, 12 - 15, 18 - 3		1.00	1.50	2.50	4.00	5.00	
289 V AC	2	8	14	6 - 8, 12 - 14, 18 - 2		1.00	1.50	2.50	4.00	5.00	
300 V AC	1	7	13	6 - 7, 12 - 13, 18 - 1		1.00	1.50	2.25	3.50	4.50	
360 V AC	3	9	15	4 - 10 - 16		0.80	1.25	2.00	3.00	4.00	
380 V AC	2	8	14	4 - 10 - 16		0.80	1.125	2.00	3.00	3.50	
400* V AC	1	7	13	4 - 10 - 16		0.80	1.125	2.00	3.00	3.50	
420 V AC	3	9	15	5 - 11 - 17		0.80	1.00	1.60	2.50	3.25	
440 V AC	2	8	14	5 - 11 - 17		0.60	1.00	1.50	2.50	3.00	
460 V AC	1	7	13	5 - 11 - 17		0.60	1.00	1.50	2.50	3.00	
480 V AC	3	9	15	6 - 12 - 18		0.60	1.00	1.50	2.25	2.80	
500 V AC	2	8	14	6 - 12 - 18		0.50	0.80	1.50	2.25	2.80	
520 V AC	1	7	13	6 - 12 - 18		0.50	0.80	1.25	2.00	2.80	

Notes * Condition. MPL power supply units meet EN 61000-3-2 guideline. Not required for Art.-No. 85957.