

## Single-phase, non-stabilized DC power supply **DCT**



### General Data

Input rated voltage 230 Vac
Output rated voltage 12 - 24 Vdc
Output rated current 0.5 - 4 A
Residual ripple factor $\leq 5\%$
Ambient temperature $+25\text{ }^{\circ}\text{C}$
Protection index IP 00

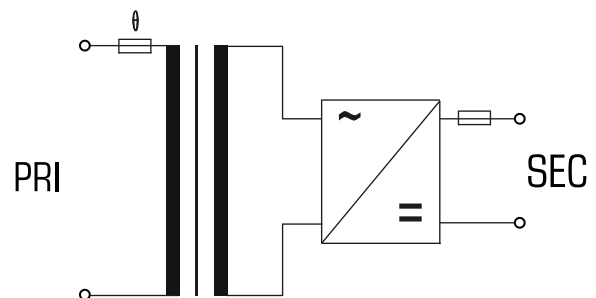
### Advantages

Thermal fuse in the input and a fuse protection for the output
Separate windings
Capacitor accessories
Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
Robust plastic housing for rail mounting, e.g. in consumer units or meter mounting boards

### Applications

Robust DC power supply is concentrated on the core task of voltage and power supply. Flat step profile optimized for installation in control panels in building automation.

### Sample application



### Standards



Non-stabilised dc power supply / Safety isolating transformer  
to VDE 0570 part 2-6, EN 61558-2-6, IEC 61558-2-6

### Approvals





## Single-phase, non-stabilized DC power supply **DCT**

Typ	DCT 12-0,5	DCT 12-1	DCT 12-2	DCT 12-4
<b>Electrical data</b>				
<b>Input</b>				
Input rated voltage	230 Vac	230 Vac	230 Vac	230 Vac
Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
<b>Output</b>				
Output rated voltage	12 Vdc	12 Vdc	12 Vdc	12 Vdc
Power	6.00 W	12.00 W	24.00 W	48.00 W
Output rated current	0.50 A	1.00 A	2.00 A	4.00 A
Ripple factor	≤5 %	≤5 %	≤5 %	≤5 %
<b>Environment</b>				
Type of cooling	self-cooling	self-cooling	self-cooling	self-cooling
Ambient temperature max.	+25 °C	+25 °C	+25 °C	+25 °C
<b>Safety and protection</b>				
Type	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer
Insulation class	B	B	B	B
Protection index	IP 00	IP 00	IP 00	IP 00
Safety class (prepared)	II	II	II	II
Short circuit strength	short-circuit proof	short-circuit proof	short-circuit proof	short-circuit proof
<b>Order numbers</b>				
<b>Order Number</b>	<b>DCT 12-0,5</b>	<b>DCT 12-1</b>	<b>DCT 12-2</b>	<b>DCT 12-4</b>

1.1

1.2

1.3

2.1

2.2

3.1

3.2

3.3

4.0

5.1

5.2



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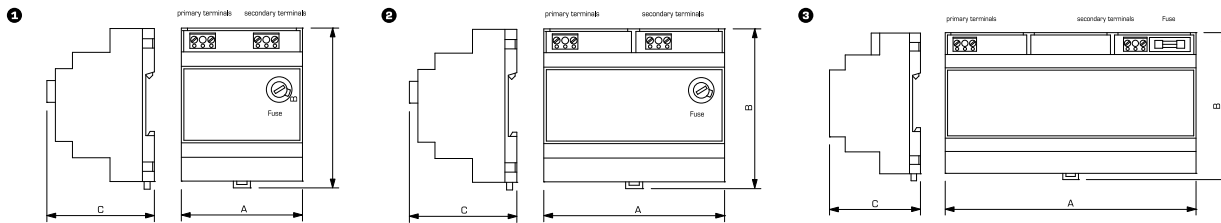
		Typ	DCT 24-0,5	DCT 24-1,5	DCT 24-2,5
Electrical data	Typ				
	Input				
	Input rated voltage		230 Vac	230 Vac	230 Vac
	Frequency range		50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Output				
	Output rated voltage		24 Vdc	24 Vdc	24 Vdc
	Power		12.00 W	36.00 W	60.00 W
	Output rated current		0.50 A	1.50 A	2.50 A
	Ripple factor		≤5 %	≤5 %	≤5 %
	Environment				
Type of cooling		self-cooling	self-cooling	self-cooling	
Ambient temperature max.		+25 °C	+25 °C	+25 °C	
Safety and protection					
Type		Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	
Insulation class		B	B	B	
Protection index		IP 00	IP 00	IP 00	
Safety class (prepared)		II	II	II	
Short circuit strength		short-circuit proof	short-circuit proof	short-circuit proof	
Order numbers					
Order Number		<b>DCT 24-0,5</b>	<b>DCT 24-1,5</b>	<b>DCT 24-2,5</b>	



## Single-phase, non-stabilized DC power supply **DCT**

Typ	Terminals	Fixing method	Weight	Dimension picture (in mm)			
				A	B	C	
DCT 12-0,5	Screw-type terminals	DIN Rail system TS35	0.45 kg	1	71	94	63
DCT 12-1	Screw-type terminals	DIN Rail system TS35	0.51 kg	2	71	94	63
DCT 12-2	Screw-type terminals	DIN Rail system TS35	1.08 kg	2	106	94	63
DCT 12-4	Screw-type terminals	DIN Rail system TS35	1.90 kg	2	159	94	63
DCT 24-0,5	Screw-type terminals	DIN Rail system TS35	0.52 kg	3	71	94	63
DCT 24-1,5	Screw-type terminals	DIN Rail system TS35	1.09 kg	3	106	94	63
DCT 24-2,5	Screw-type terminals	DIN Rail system TS35	1.93 kg	3	159	94	63

### Dimension pictures



1.1

1.2

1.3

2.1

2.2

3.1

3.2

3.3

4.0

5.1

5.2