

Single-phase, non-stabilised  
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 ≤5 %
Ambient temperature +25 °C
Protection index IP 00

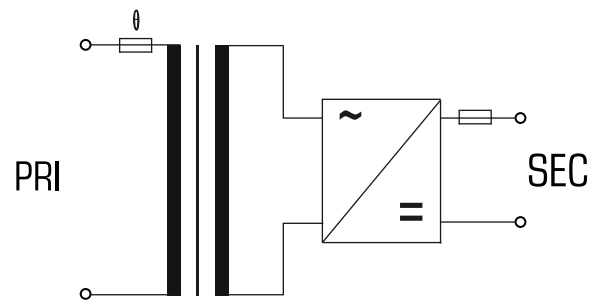
### Advantages

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
Stable 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-stabilised 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>				
Cooling method	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
Class of Insulation System	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



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



		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			
	Cooling method	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
	Class of Insulation System	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				
<b>Order Number</b>	<b>DCT 24-0,5</b>	<b>DCT 24-1,5</b>	<b>DCT 24-2,5</b>	

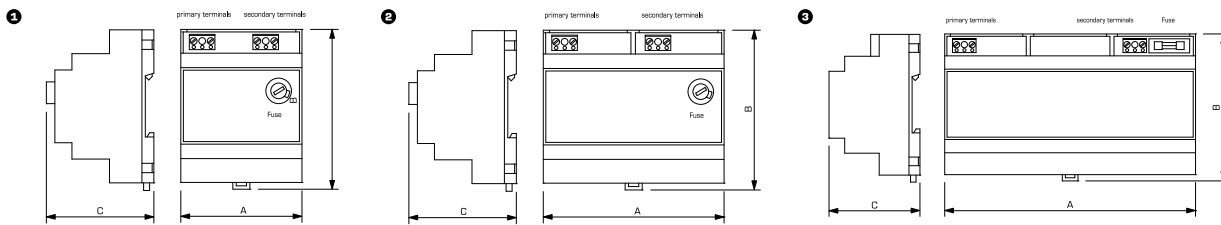


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Mechanical data	Typ	Terminals	Fixing method	Weight	Dimension picture (in mm)			
					A	B	C	
	DCT 12-0,5	Screw-type terminals	DIN Rail system TH 35	0.45 kg	1	71	94	63
	DCT 12-1	Screw-type terminals	DIN Rail system TH 35	0.51 kg	2	71	94	63
	DCT 12-2	Screw-type terminals	DIN Rail system TH 35	1.08 kg	2	106	94	63
	DCT 12-4	Screw-type terminals	DIN Rail system TH 35	1.90 kg	2	159	94	63
	DCT 24-0,5	Screw-type terminals	DIN Rail system TH 35	0.52 kg	3	71	94	63
	DCT 24-1,5	Screw-type terminals	DIN Rail system TH 35	1.09 kg	3	106	94	63
	DCT 24-2,5	Screw-type terminals	DIN Rail system TH 35	1.93 kg	3	159	94	63

Dimension pictures



1.1

1.2

1.3

2.1

2.2

3.1

3.2

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4.0

5.1

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