

Three-phase, non stabilized DC power supply DNC



General Data

Universal input rated voltage
Output rated voltage 24 Vdc
Output rated power 96 - 1200 W
Residual ripple factor $\leq 2\%$
Ambient temperature +60 °C
Protection index IP 00

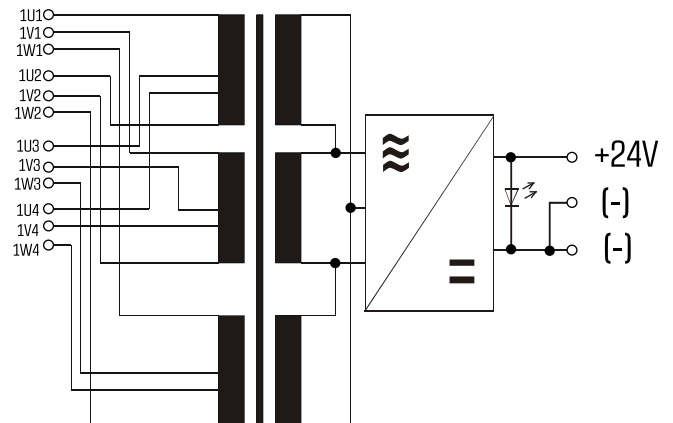
Advantages

Unsusceptible to voltage surges or transients
High overload capacity
DC OK signalling via LEDs
Capacitor accessories
Very good corrosion protection and low noise thanks to vacuum impregnation
Impulse loading MKT-capacitors
Varistor wiring
Contact protected screw connection terminals complying with UVV BGV A3

Applications

Robust DC power supply for harsh industrial applications.

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, UL 1012, UL 5085

Approvals



UL 5085-1/-2, CSA 22.2 No.66



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	Typ	DNC 24-4	DNC 24-10	DNC 24-15 C	DNC 24-20 C	
Electrical data	Typ					
	Input					
	Input rated voltage	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac
	Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	
	Output					
	Output rated voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc	
	Power	96.00 W	240.00 W	360.00 W	480.00 W	
	Output rated current	4.00 A	10.00 A	15.00 A	20.00 A	
	Ripple factor	typ. 2 %	typ. 2 %	typ. 2 %	typ. 2 %	
	Approvals					
	Approvals	cURus (transformer only)	cURus (transformer only)	cURus (transformer only)	cURus (transformer only)	
	Environment					
	Ambient temperature max.	+60 °C	+60 °C	+60 °C	+60 °C	
	Type of cooling	self-cooling	self-cooling	self-cooling	self-cooling	
	Safety and protection					
	Type	Open type	Open type	Open type	Open type	
Insulation class	VDE=B, UL=class 130	VDE=B, UL=class 130	VDE=B, UL=class 130	VDE=B, UL=class 130		
Protection index	IP 00	IP 00	IP 00	IP 00		
Safety class (prepared)	I	I	I	I		
Short circuit strength	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof		
Order numbers						
Order Number	DNC 24-4	DNC 24-10	DNC 24-15 C	DNC 24-20 C		

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Three-phase, non stabilized DC power supply **DNC**

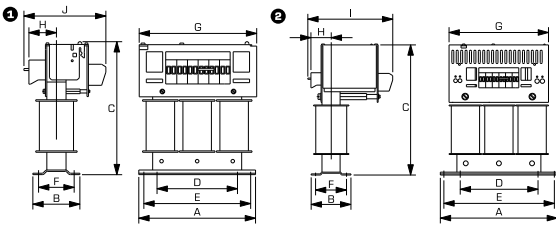
Typ		DNC 24-30 C	DNC 24-40 C	DNC 24-50 C
Electrical data	Input			
	Input rated voltage	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac	Delta-connection: 3x219 Vac/230 Vac/241 Vac Star-connection: 3x380 Vac/400 Vac/420 Vac
	Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Output			
	Output rated voltage	24 Vdc	24 Vdc	24 Vdc
	Power	720.00 W	960.00 W	1200.00 W
	Output rated current	30.00 A	40.00 A	50.00 A
	Ripple factor	typ. 2 %	typ. 2 %	typ. 2 %
	Approvals			
	Approvals	cURus (transformer only)	cURus (transformer only)	cURus (transformer only)
Environment				
Ambient temperature max.	+60 °C	+60 °C	+60 °C	
Type of cooling	self-cooling	self-cooling	self-cooling	
Safety and protection				
Type	Open type	Open type	Open type	
Insulation class	VDE=B, UL=class 130	VDE=B, UL=class 130	VDE=B, UL=class 130	
Protection index	IP 00	IP 00	IP 00	
Safety class (prepared)	I	I	I	
Short circuit strength	non-short-circuit proof	non-short-circuit proof	non-short-circuit proof	
Order numbers				
Order Number	DNC 24-30 C	DNC 24-40 C	DNC 24-50 C	



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Mechanical data	Typ	Terminals	Fixing method	Fixing screws	Weight	Dimension picture (in mm)										
							A	B	C	D	E	F	G	H	I	
	DNC 24-4	Screw-type terminals	Base plate	M5	2.50 kg	1	130	72	160	-	105	54	130	37	90	
	DNC 24-10	Screw-type terminals	Base plate	M5	4.30 kg	1	164	66	190	113	150	50	165	40	108	
	DNC 24-15 C	Screw-type terminals	Base plate	M5	6.10 kg	1	164	81	190	113	150	63	165	47	108	
	DNC 24-20 C	Screw-type terminals	Base plate	M6	7.20 kg	1	216	71	220	136	200	55	175	42	140	
	DNC 24-30 C	Screw-type terminals	Base plate	M6	10.60 kg	1	216	92	225	136	200	75	175	51	160	
	DNC 24-40 C	Screw-type terminals	Base plate	M6	16.20 kg	2	266	90	297	176	250	70	225	62	185	
	DNC 24-50 C	Screw-type terminals	Base plate	M6	22.10 kg	2	266	114	297	176	250	94	225	62	185	

Dimension pictures



1.1

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