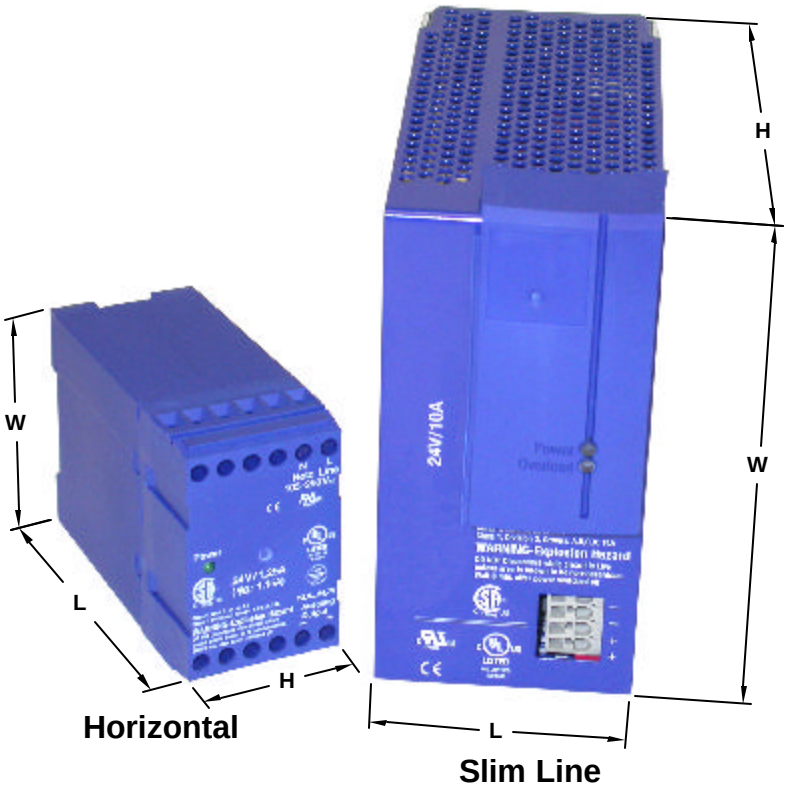
multicomp

REVISIONS								
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1929	A	Released	JWM	11/23/04	JN	04/23/08	JN	04/23/08

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398



Wide Range
- Compact Housing - 20A, 3ph only 3.39 inches long
- Horizontal Mounting - up to 40A, 3 phase

Output
- 24V / 1.25 to 20A - Single phase
- 24V / 10, 20, and 40A - 3 phase

Universal Input
- 115 / 230 VAC
- 3 X 340 / 550 VAC

Load Sharing
- Parallel operation
- Redundancy

High Efficiency
- Typical 90%

Increased Operating Temperature
- 100% at 140ºF

Status Indication
- Power ON indication
- Overload Status LED

Touch Safe Power Entry
- Covered power entry
- Convenient customer input terminals

Approvals
- UL / CSA and EN 60950
- EMC Certified

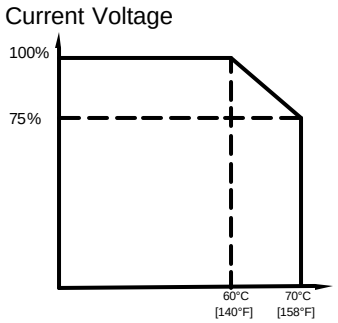
	SPC Type No.	Input Volts (VAC)	Phase	Output Volts (VDC)	Output Current (Amps)	Power (Watts)	Dimensions (inches) L x W x H
Slim Line	MC13545	115/230	1	24	1.25	30	1.77 x 2.83 x 4.13
	MC13548	115/230	1	24	5	120	2.76 x 5.20 x 5.47
	MC13550	115/230	1	24	10	240	2.76 x 5.81 x 6.46
Slim Line 3 Phase	MC13551	3x 340-550	3	24	10	240	3.18 x 6.02 x 6.29
Horizontal	MC13546	115/230	1	24	2.5	60	4.25 x 4.84 x 2.56
	MC13547	115/230	1	24	5	120	5.79 x 4.84 x 3.39
	MC13549	115/230	1	24	10	240	8.07 x 4.84 x 3.39
	MC13552	195-265	1	24	20	480	9.45 x 6.02 x 3.39
Horizontal 3 Phase	MC13553	3x 340-550	3	24	20	480	9.45 x 6.02 x 3.39
	MC13555	3x 340-550	3	24	40	960	11.50 x 7.28 x 5.12

SPC-F004.DWG

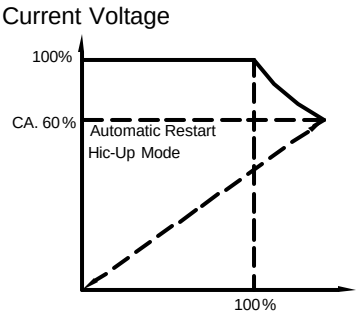
TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE: DIN Rail Mounted Power Supplies			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Jeff McVicker	11/23/04				
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Jason Nash	04/23/08	A	TA-648	TA-638.dwg	A
	APPROVED BY:	DATE:	SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 2	
	Jason Nash	04/23/08				

Regulation	
Line regulation	< 0.2% with Uin± 15%
Load regulation	< 1% with 0 A -> >I_{nom}
Dynamics	< 2 ms with 10<-->90% I_{nom}
	peaks < 2%
Protection and Monitoring	
Current Limitation	Protection against continuous short circuit
Overload protection	Yes
Non-load protection	Yes
Overvoltage protection	Yes
Safety	
Output	VDE 0805 / EN 60950 / IEC 950 /
	UL1950 safety voltage (SELV)
	acc. to EN 60950
Protective System	Class I / Class II at 149002-31001/149002-21001
Degree of protection	IP 20
Leakage current (1.25A / 2A)	< 0.25 mA (47-63 Hz line frequency)
Leakage current (5A / 10A)	< 0.75 mA (47-63 Hz line frequency)
Leakage current (20A / 40A)	< 3.50 mA (47-63 Hz line frequency)
EMV CE - Certified	
RFI suppression	Emission (EN 50081-1/-2)
	EN 55011 / EN55022 class B Immunity
	(EN 50082-1, EN 61000-6-2)
Static Discharge ESD	acc. to EN 61000-6-2
IEC 1000-4-2	8kV contact discharge
	15kV free air discharge
Elektromagnetic fields	acc. to EN 61000-4-3
IEC 1000-4-3	10V/m
Burst	acc. to EN61000-4-4
IEC 1000-4-4	4kV input
	2kV output / AC-coupled
Surge	acc. to EN61000-4-5
IEC 1000-4-5	4kV asymmetric
	4kV symmetric
Form of electrical	acc. to EN 61000-4-6
interverence	
IEC 1000-4-6	10 V, 150 kHz ... 80 MHz
Operational Data	
Temperature range	-10ºC [14ºF] to +70ºC [158ºF] with free convection
Power derating	2.5% / K from +60ºC [140ºF] (see diagram)
Storage temperature	-25ºC [-13ºF] to +85ºC [185ºF]
Static Discharge ESD	acc. to EN 61000-6-2
IEC 1000-4-2	8kV contakt discharge
	15kV free air discharge
Installation	
Installation	Easy access mounting bracket for rail
	DIN EN 50022-35
Mounting postion	Upright with input terminals on top.
	Output terminals underneath.

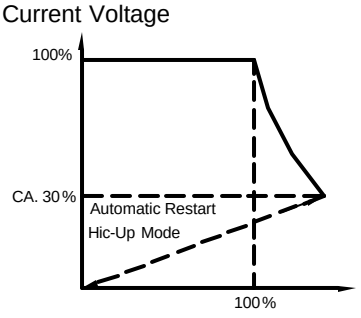
Derating



Current Limitation Curve
1.25A / 2A



Current Limitation Curve
5 / 10 / 20 / 40 A



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