

DIN RAIL MOUNTED POWER SUPPLIES

AMERICAN ELECTRICAL HAS TWO LINES OF DIN RAIL POWER SUPPLIES TO CHOOSE FROM. ALL ARE 120VAC IN AND 24VDC OUT (OTHER VOLTAGE OUTPUTS MAY BE ORDERED, PLEASE CALL US). WE ALSO HAVE 3-PHASE POWER SUPPLIES UP TO 480VAC IN AND 24VDC OUT.

ALL POWER SUPPLIES ARE UL LISTED AND EMI/RFI APPROVED.





45 WATTS, 1.875 AMPS, 24VDC

FEATURES

- UL508 LISTED
- INSTALLS EASILY ON DIN RAIL TS35 x 7.5 AND 15MM
- FIXED SWITCHING FREQUENCY AT 100KHZ
- LED POWER ON INDICATOR
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DR-45-24
AC INPUT VOLTAGE RANGE	85 – 265VAC; 120-370VDC
DC ADJUSTMENT RANGE	±10% RATED OUTPUT VOLTAGE
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	115% - 135% RATED OUTPUT VOLTAGE
SETUP, RISE, HOLD UP TIME	800MS, 60MS, 50MS AT FULL LOAD AND 230VAC
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	0 - 45°C@100%, -10°C@80%, 50°C@80% LOAD
SAFETY STANDARDS	UL508, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11
ENV50204	
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	78 x 93 x 67MM



75 WATTS, 3.125 AMPS, 24VDC

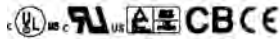
FEATURES

- UL508 LISTED
- INSTALLS EASILY ON DIN RAIL TS35 x 7.5 AND 15MM
- FIXED SWITCHING FREQUENCY AT 50KHZ
- LED POWER ON INDICATOR
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DR-75-24
AC INPUT VOLTAGE RANGE	85 – 265VAC; 120-370VDC
DC ADJUSTMENT RANGE	12V: 12-14V, 24V: 24-28V, 48V: 48-53V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	121% - 142% RATED OUTPUT VOLTAGE
SETUP, RISE, HOLD UP TIME	1000MS, 60MS, 50MS AT FULL LOAD AND 230VAC
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-10°C – 60°C
SAFETY STANDARDS	UL508, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11
ENV50204	
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	55.5 X 125.2 X 100MM





120 WATTS, 5 AMPS, 24VDC

FEATURES

- AC INPUT SELECTED BY SWITCH
- INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
- FIXED SWITCHING FREQUENCY AT 55KHZ
- LED POWER ON INDICATOR
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DR-120-24
AC INPUT VOLTAGE RANGE	88 – 132VAC; 176 - 264VAC SELECTED BY SWITCH
DC ADJUSTMENT RANGE	12V: 12-14V, 24V: 24-28V, 48V: 48-53V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	120% - 140% RATED OUTPUT VOLTAGE
SETUP, RISE, HOLD UP TIME	500MS, 70MS, 30MS AT FULL LOAD AND 230VAC
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-10°C – 60°C
SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11
ENV50204	
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	65.5 X 125.2 X 100MM

240 WATTS, 10 AMPS, 24VDC

FEATURES

- UNIVERSAL AC INPUT/FULL RANGE
- PF>0.98@115VAC, >0.95@230VAC
- INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
- FIXED SWITCHING FREQUENCY AT 100KHZ
- LED POWER ON INDICATOR
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DRP-240-24
AC INPUT VOLTAGE RANGE	85 – 264VAC; 120 – 370VDC
DC ADJUSTMENT RANGE	24V: 24-28V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	30 – 36V
SETUP, RISE, HOLD UP TIME	800MS, 40MS, 20MS AT FULL LOAD AND 230VAC
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-10°C – 55°C@100%, 70°C@60% LOAD
SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11
ENV50204	
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	125.5 X 125.2 X 100MM





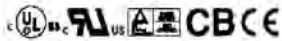
240 WATTS THREE PHASE, 10 AMPS, 24VDC

FEATURES

INPUT 340-550VAC, 3 PHASE 4 WIRES
 HIGH EFFICIENCY AND LOW DISSIPATION
 INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
 EN61000-6-2 INDUSTRIAL IMMUNITY LEVEL
 FREE AIR CONVECTION COOLING
 100% FULL LOAD BURN-IN TEST
 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DRT-240-24
AC INPUT VOLTAGE RANGE	340 – 550VAC; 3 PHASE 4 WIRES (DUAL OPERATION POSSIBLE)
DC ADJUSTMENT RANGE	24V: 24-28V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	30 – 36V
OVER TEMP. PROTECTION	SHUT DOWN OUTPUT VOLTAGE, RECOVERS AUTO
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-20°C – 70°C
SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61204-3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 ENV50204
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	125.5 X 125.2 X 100MM



480 WATTS THREE PHASE, 20 AMPS, 24VDC

FEATURES

INPUT 340-550VAC, 3 PHASE 4 WIRES
 HIGH EFFICIENCY UP TO 90%
 INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
 EN61000-6-2 INDUSTRIAL IMMUNITY LEVEL
 FREE AIR CONVECTION COOLING
 100% FULL LOAD BURN-IN TEST
 1 YEAR WARRANTY

TECHNICAL DATA

PART NUMBER	DRT-480-24
AC INPUT VOLTAGE RANGE	340 – 550VAC; 3 PHASE 4 WIRES (DUAL OPERATION POSSIBLE)
DC ADJUSTMENT RANGE	24V: 24-28V
OVER LOAD PROTECTION	105% - 150% CONSTANT CURRENT LIMITING, AUTO RECOVERY
OVER VOLTAGE PROTECTION	30 – 36V, AC RECYCLE TO RESTART
OVER TEMP. PROTECTION	SHUT DOWN OUTPUT VOLTAGE, RECOVERS AUTO
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG: 0.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-20°C – 70°C
SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950 1 APPROVED
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61204-3 EN61000-6-2, EN61000-4-2,3,4,5,6,8,11 ENV50204
CONNECTION	I/P: 3 POLES, O/P: 4 POLES SCREW DIN TERMINAL
DIMENSIONS	227 X 125.2 X 100MM



DIN RAIL MOUNTED POWER SUPPLIES

FEATURES

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 140°F
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



30 WATTS, 1.25 AMPS, 24VDC

TECHNICAL DATA SLIMLINE

PART NUMBER	F2400125
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	1.25
POWER (WATTS)	30
DIMENSIONS (INCHES)	1.77 X 12.83 X 4.13



120 WATTS, 5 AMPS, 24VDC

TECHNICAL DATA SLIMLINE

PART NUMBER	F240050S
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	5
POWER (WATTS)	120
DIMENSIONS (INCHES)	2.76 X 5.2 X 5.47



240 WATTS, 10 AMPS, 24VDC

TECHNICAL DATA SLIMLINE

PART NUMBER	F24010S
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	10
POWER (WATTS)	240
DIMENSIONS (INCHES)	2.76 X 5.81 X 6.46



* INDICATES STANDARD VOLTAGE INPUTS



DIN RAIL MOUNTED POWER SUPPLIES

240 WATTS, 10 AMPS, 24VDC

TECHNICAL DATA SLIMLINE 3 PHASE

PART NUMBER	F24010S-3
AC INPUT VOLTAGE	3X 340-550
PHASE	3
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	10
POWER (WATTS)	240
DIMENSIONS (INCHES)	3.18 X 6.02 X 6.29



480 WATTS, 20 AMPS, 24VDC

TECHNICAL DATA SLIMLINE 3 PHASE

PART NUMBER	F24020S-3
AC INPUT VOLTAGE	3X 340-550
PHASE	3
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	20
POWER (WATTS)	480
DIMENSIONS (INCHES)	3.99 X 8.94 X 6.81



60 WATTS, 2.5 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL

PART NUMBER	F240025
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	2.5
POWER (WATTS)	60
DIMENSIONS (INCHES)	4.25 X 4.84 X 2.56



120 WATTS, 5 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL

PART NUMBER	F240050
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	5
POWER (WATTS)	120
DIMENSIONS (INCHES)	5.79 X 4.84 X 3.39



* INDICATES STANDARD VOLTAGE INPUTS



240 WATTS, 10 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL

PART NUMBER	F24010
AC INPUT VOLTAGE	115*/230
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	10
POWER (WATTS)	240
DIMENSIONS (INCHES)	8.07 X 4.84 X 3.39



480 WATTS, 20 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL

PART NUMBER	F24020
AC INPUT VOLTAGE	195-265
PHASE	1
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	20
POWER (WATTS)	480
DIMENSIONS (INCHES)	9.45 X 6.02 X 3.39



480 WATTS, 20 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL 3 PHASE

PART NUMBER	F24020-3
AC INPUT VOLTAGE	3X 340-550
PHASE	3
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	20
POWER (WATTS)	480
DIMENSIONS (INCHES)	9.45 X 6.02 X 3.39



960 WATTS, 40 AMPS, 24VDC

TECHNICAL DATA HORIZONTAL 3 PHASE

PART NUMBER	F24040-3
AC INPUT VOLTAGE	3X 340-550
PHASE	3
DC OUTPUT VOLTAGE	24
OUTPUT CURRENT (AMPS)	40
POWER (WATTS)	960
DIMENSIONS (INCHES)	11.5 X 7.28 X 5.12

* INDICATES STANDARD VOLTAGE INPUTS



DIN RAIL MOUNTED GFCI



DIN 120 GFCI

FEATURES

DUAL 120V AC RECEPTACLE, DIN RAIL MOUNTED
3 FOOT, HOT/NEUTRAL/GROUND CABLE
GREEN LED FOR POWER ON INDICATION
CURRENT RATING, 20 A
GROUND FAULT CIRCUIT PROTECTION WITH RESET
DIN RAIL & DIRECT MOUNTABLE
STANDARD RECEPTACLE SIZE
ALL COMPONENTS UL APPROVED