



# AMERICAN ELECTRICAL, INC.

## INDUSTRIAL ELECTRICAL ACCESSORIES

425 SOUTHLAKE BLVD. • SUITE 9-B • RICHMOND, VA 23236 • (804) 379-2899 • FAX: (804) 379-8935

### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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





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### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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





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### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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





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### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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





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### DIN RAIL MOUNTED POWER SUPPLY 480 WATTS, 20 AMPS, 24VDC

#### FEATURES

- AC INPUT 115/230 SELECTABLE BY SWITCH
- AUTOMATIC POWER FACTOR CORRECTION
- PASSIVE PFC FUNCTION COMPLIANT TO EN6100-3-2
- INSTALLS EASILY ON DIN RAIL TS35 X 7.5 AND 15MM
- 89% HIGH EFFICIENCY
- FREE AIR CONVECTION COOLING
- 100% FULL LOAD BURN-IN TEST
- 1 YEAR WARRANTY



#### TECHNICAL DATA

AEI PART NUMBER	DRP-480S-24
AC INPUT VOLTAGE RANGE	90 – 132VAC; 180 – 264VAC SELECTABLE BY SWITCH
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	1200MS, 40MS, 20MS AT FULL LOAD AND 230VAC
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1 MINUTE
WORKING TEMPERATURE	-20°C – 50°C@100%, 70°C@60% LOAD
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





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### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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





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### DIN RAIL MOUNTED POWER SUPPLY 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

AEI 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

