





■ Features

- · Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (industrial control equipment) approved
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level
- · 100% full load burn-in test
- 3 years warranty

Applications

- · Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- · Electro-mechanical apparatus

■ GTIN CODE

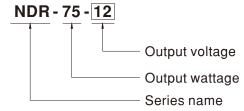
 $MW \; Search: \underline{\text{https://www.meanwell.com/serviceGTIN.aspx}}$

Description

NDR-75 is one economical slim 75W Din rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 32mm in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 90VAC to 264VAC and conforms to BS EN/EN61000-3-2, the norm the European Union regulates for harmonic current.

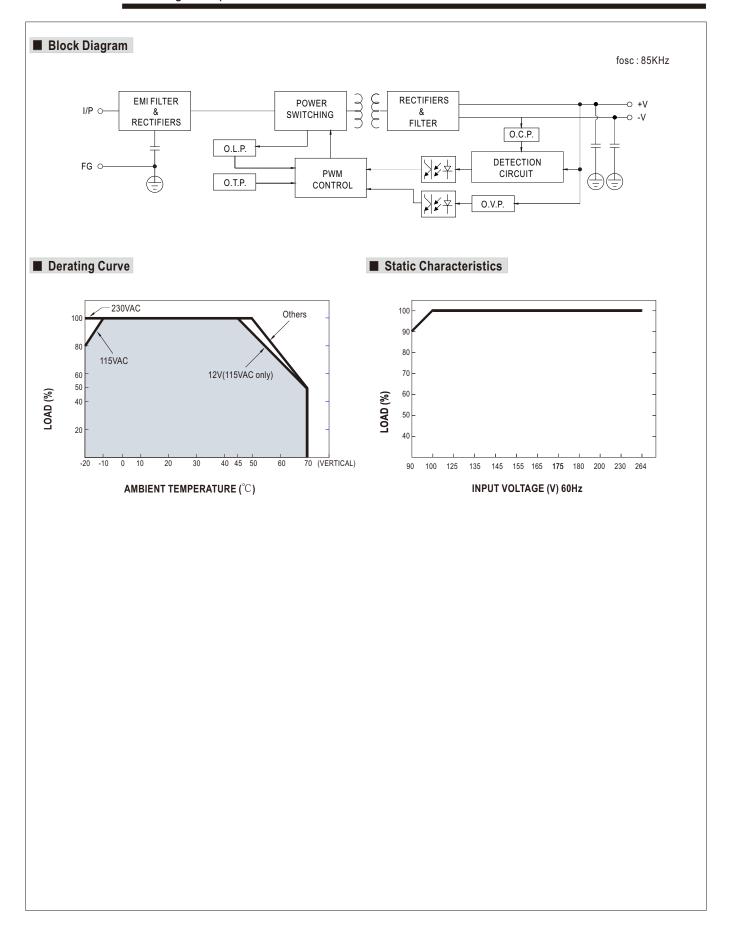
NDR-75 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 89%, the entire series can operate at the ambient temperature between -20 $^{\circ}$ C and 70 $^{\circ}$ C under air convection. It is equipped with constant current mode for over-load protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for industrial control apparatus (UL508, TUV BS EN/EN62368-1, and etc.) make NDR-75 a very competitive power supply solution for industrial applications.

■ Model Encoding



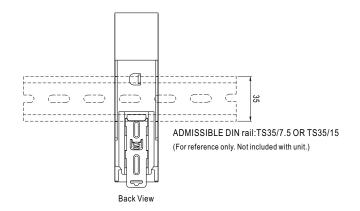
SPECIFICATION

SAFETY STANDARDS	MODEL		NDR-75-12	NDR-75-24	NDR-75-48	
CURRENT RANGE 0 ~ 6.3A		DC VOLTAGE	12V	24V	48V	
RATED POWER 75.5W 76.8W	ОИТРИТ	RATED CURRENT	6.3A	3.2A	1.6A	
NOTPLIE RIPPLE & NOISE (max.) Note.2 80m/p.p 120m/p.p 150m/p.p 150m/p.p		CURRENT RANGE	0 ~ 6.3A	0 ~ 3.2A	0 ~ 1.6A	
VOLTAGE ADJ. RANGE 12 - 14V 24 - 28V 48 - 55V		RATED POWER	75.6W	76.8W	76.8W	
VOLTAGE TOLERANCE Note 20.0% ±1.0% ±1.0% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±0.0% ±		RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	150mVp-p	
LINE REGULATION ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% 1.0AD REGULATION ±1.0% ±1.		VOLTAGE ADJ. RANGE	12 ~ 14V	24 ~ 28V	48 ~ 55V	
LOAD REGULATION		VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	
SETUP, RISE TIME 1200ms, 60ms/230VAC 2000ms, 60ms/115VAC at full load VOLTAGE RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE Note, 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE CERN 1		LINE REGULATION	±0.5%	±0.5%	±0.5%	
HOLD UP TIME (Typ.) 60ms/230VAC 12ms/115VAC at full load VOLTAGE RANGE Note.8 90 - 264VAC 127 - 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)] FREQUENCY RANGE 47 - 63H2 EFFICIENCY (Typ.) 85.5% 88% 89% AC CURRENT (Typ.) 1.458/115VAC 35A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC 35A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC 35A/230VAC INRUSH CURRENT 41mA/ 240VAC VORCHOAD Protection type : Constant current limiting, recovers automatically after fault condition is removed 105 - 130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed VORKING TEMP. 20 - 470°C (Refer to "Derating Curve") 29 - 330 56 - 65V VORKING TEMP. 20 - 470°C (Refer to "Derating Curve") WORKING HUMIDITY 20 - 95% RH non-condensing VORKING HUMIDITY 20 - 95% RH non-condensing VORKING HUMIDITY 20 - 485°C, 10 - 95% RH TEMP. 20 - 470°C (Refer to "Derating Curve") VIBRATION Component.10 - 5800Hz, 26 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY STANDARDS UL508, TUV BS ENIEN82368-1, EAC TP TC 004 approved.(meet BS ENIEN80204-1) VIBRATION Compliance to ISS ENIEN802368-1, EAC TP TC 004 approved.(meet BS ENIEN80204-1) SENIEN81204-3, heavy industry level, EAC TP TC 020 MTBF CONFISCA VIP.O/IP.JR.PG. (JP.PG9100M Ohms 500VDC/ 25°C/170% RH COMPLIANCE VIP.O/IP.JR.PG. (JP.PG9100M Ohms 500VDC/ 25°C/170% RH VIP.O/IP.JR.PG. (JP.PG9100M Ohms 500VDC/		LOAD REGULATION	±1.0%	±1.0%	±1.0%	
NOTING Notice N		SETUP, RISE TIME	1200ms, 60ms/230VAC 2000ms, 60ms/115VAC at full load			
INPUT EFFICIENCY (Typ.) 85.5% 88% 89% 89%		HOLD UP TIME (Typ.)	60ms/230VAC 12ms/115VAC at full load			
EFFICIENCY (Typ.) 85.5% 88% 89%		VOLTAGE RANGE Note.6	90 ~ 264VAC 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]			
AC CURRENT (Typ.) 1.45A/115VAC 0.9A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC 35A/230VAC LEAKAGE CURRENT < 1mA / 240VAC OVERLOAD 105 - 130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed 14 ~ 17V 29 ~ 33V 56 ~ 65V Protection type : Shut down o/p voltage, re-power on to recover OVER VOLTAGE Protection type : Shut down o/p voltage, re-power on to recover WORKING TEMP. 20 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing ENVRONMENT TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION Component:10 ~ 500Hz, 26 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY & WITHSTAND VOLTAGE I/P-0/P-3KVAC I/P-60:2KVAC 0/P-60:0KVAC EMC (Note 4) EMC EMISSION Compliance to BS EN/EN5032 (CISPR32), BS EN/EN61204-3 class B, BS EN/EN61000-3-2, 3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN5032 (CISPR32), BS EN/EN61204-3 class B, BS EN/EN61000-3-2, 3, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg: 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12° twisted pair-wire terminated with a 0.1 µ F & 47 µ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still mests EMC directives, (as available on hittps://www.meanwell.com/Upload/PDF/EMI_statement_e.p.pdf) 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please chec	INPUT	FREQUENCY RANGE	47 ~ 63Hz			
AC CURRENT (Typ.) 1.45A/115VAC 0.9A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC 3.5A/230VAC LEAKAGE CURRENT OVERLOAD OVERLOAD OVERLOAD OVERLOAD OVER VOLTAGE OVER VOLTAGE OVER TEMPERATURE Protection type : Shut down o/p voltage, re-power on to recover WORKING TEMP. - 20 ~ 470°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY - 40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT - 50.05%, "C (0 ~ 50°C) VIBRATION SAFETY STANDARDS UL508, TUV BS EN/EN/62368-1, EAC TP TC 004 approved; (meet BS EN/EN/60204-1) WITHSTAND VOLTAGE IN-09P-3K/VAC I/P-FG.2K/VAC I/P-FG.05.K/VAC EMC (Note 4) EMC EMISSION Compliance to BS EN/EN/50302, (CISPR32), BS EN/EN/51204-3 Class B, BS EN/EN/61000-3-2, 3, EAC TP TC 020 Compliance to BS EN/EN/51204-3, heavy industry level, EAC TP TC 020 THERS OTHERS NOTE NOTE NOTE ALI parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µ F & 4.7 µ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives, (as available on this;-in/www.mwemmell.com/Ulpload/PDP/EMI_statement_en.pdf) 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Rebase on the provers and power for more details.		EFFICIENCY (Typ.)	85.5%	88%	89%	
LEAKAGE CURRENT C1mA / 240VAC 105 ~ 130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed 14 ~ 17V 29 ~ 33V 56 ~ 65V		AC CURRENT (Typ.)	1.45A/115VAC 0.9A/230VAC			
PROTECTION OVER VOLTAGE OVER VOLTAGE OVER Protection type : Constant current limiting, recovers automatically after fault condition is removed 14 ~ 17V		INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC			
Protection type: Constant current limiting, recovers automatically after fault condition is removed OVER VOLTAGE 14 ~ 17V		LEAKAGE CURRENT	<1mA / 240VAC			
PROTECTION OVER VOLTAGE 14 ~ 17V 29 ~ 33V 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Protection type: Shut down o/p voltage, re-power on to recover WORKING TEMP. 20 ~ 170°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ 485°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%°C (0 ~ 50°C) VIBRATION Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY & SAFETY STANDARDS UIL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved:(meet BS EN/EN60204-1) WITHSTAND VOLTAGE ISOLATION RESISTANCE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC EMC (Note 4) EMC EMISSION Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-3-2,-3, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*10zmm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µF & 47 µF parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		OVERLOAD. 105 ~ 130% rated output power				
OVER VOLTAGE Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Protection type: Shut down o/p voltage, re-power on to recover WORKING TEMP. -20 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:.5KVAC EMC EMISSION Compliance to BS EN/EN5032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN5032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12° twisted pair-wire terminated with a 0.1 µ F & 47 µ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently virial power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		OVERLOAD	Protection type : Constant current limiting, recovers automatically after fault condition is removed			
Protection type: Shut down of p voltage, re-power on to recover OVER TEMPERATURE Protection type: Shut down of p voltage, re-power on to recover WORKING TEMP20 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03% f*C (0 ~ 550°C) VIBRATION Component: 10 ~ 550Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY \$\frac{8}{2}\$ SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE IP-0/P:3KVAC IP-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE IP-0/P: IP-FG. O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT NOTE 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 \(\textit{ F} \) & 47 \(\textit{ F} \) parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating	PROTECTION	OVER VOLTAGE	14 ~ 17V	29 ~ 33V	56 ~ 65V	
WORKING TEMP20 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE I/P-O/P.3KVAC I/P-FG;2KVAC O/P-FG;0.5KVAC EMC (Note 4) EMC EMISSION Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 WTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µF & 47 µF parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives, (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm on the left and right side are recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		OVER VOLIAGE	Protection type : Shut down o/p voltage	, re-power on to recover		
WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY \$ SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P. I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH EMC IMMUNITY Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µ F & 47 µ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover			
ENVIRONMENT STORAGE TEMP., HUMIDITY		WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve"			
TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY & SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE I/P-O/P; 3KVAC I/P-FG; 2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:2NOM Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY ESEN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32**125.2**102mm (M*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µ F & 47 µ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm of learance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		WORKING HUMIDITY	20 ~ 95% RH non-condensing			
VIBRATION Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2 SAFETY STANDARDS UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1) WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-G:2.KVAC O/P-FG:0.5KVAC EMC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, 11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.	ENVIRONMENT	·	·			
SAFETY & WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P;3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P; I/P-FG, O/P-FG:0.100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 \(\mu\) F & 47 \(\mu\) F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		TEMP. COEFFICIENT				
SAFETY & EMC (Note 4) WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6			
ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		SAFETY STANDARDS	UL508, TUV BS EN/EN62368-1, EAC TP TC 004 approved; (meet BS EN/EN60204-1)			
(Note 4) EMC EMISSION Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 \(mu\) F & 47 \(mu\) F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently of full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.	EMC	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently will power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		ISOLATION RESISTANCE				
BS EN/EN61204-3, heavy industry level, EAC TP TC 020 MTBF 2757.3K hrs min. Telcordia SR-332 (Bellcore); 486.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently we full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020			
DIMENSION 32*125.2*102mm (W*H*D) PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently we full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.						
PACKING 0.51Kg; 28pcs/15.3Kg/1.23CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently we full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.		MTBF	2757.3K hrs min. Telcordia SR-332 (Bellcore) ; 486.2K hrs min. MIL-HDBK-217F (25°C)			
NOTE 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently we full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.	OTHERS	DIMENSION	32*125.2*102mm (W*H*D)			
 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that still meets EMC directives.(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently verture full power. In case the adjacent device is a heat source, 15mm clearance is recommended. Derating may be needed under low input voltage. Please check the derating curve for more details. 		PACKING	0.51Kg; 28pcs/15.3Kg/1.23CUFT			
2000m(6500ft). ** Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx	NOTE	2. Ripple & noise are measured 3. Tolerance: includes set up t 4. The power supply is conside still meets EMC directives.(as a 5. Installation clearances: 40m full power. In case the adjacen 6. Derating may be needed und 7. The ambient temperature de 2000m(6500ft).	d at 20MHz of bandwidth by using a 13 olerance, line regulation and load regulated a component which will be installed available on https://www.meanwell.com//Lmm on top, 20mm on the bottom, 5mm at device is a heat source, 15mm clears der low input voltage. Please check the rating of 3.5°C/1000m with fanless mo	2" twisted pair-wire terminated with a Clation. d into a final equipment. The final equippload/PDF/EMI_statement_en.pdf) on the left and right side are recommenance is recommended. e derating curve for more details. dels and of 5°C/1000m with fan mode	2.1 μ F & 47 μ F parallel capacitor. In present must be re-confirmed that it ended when loaded permanently with the state of the stat	



■ Mechanical Specification (Unit: mm, tolerance ± 1mm) Case No.221A Top View 102 dio dio (0) (48V only) → © 125.2 TB1 123 Side View Front View Side View Terminal Pin No. Assignment (TB1) Pin No. | Assignment FG 🖶 AC/N or DC -AC/L or DC + Terminal Pin No. Assignment (TB2) Pin No. Assignment 1,2 DC OUTPUT -V DC OUTPUT+V 3,4 Bottom View

■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html