











UL62368-1 AS/NZS62368-1 TPTC004 IEC62368-1

Feature

- Width only 17.5mm (1SU)
- 4:1 ultra wide input range
- -40~+85°C wide working temperature
- No minimum load required
- DC output adjustable ($\pm 10\%$)
- · Cooling by free air convection
- · Can be installed on DIN rail TS-35/7.5 or 15
- Protections: Short circuit / Overload / Over voltage / Input reverse polarity / Input under voltage protection
- 4KVdc I/O isolation(Reinforced isolation)
- 3 years warranty











Applications

- Industrial control system
- Semi-conductor fabrication equipment
- Factory automation
- · Electro-mechanical
- · Wireless network
- · Telecom or datacom system

■ GTIN CODE

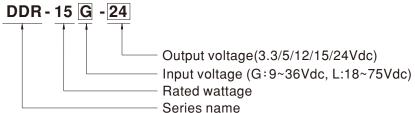
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

DDR-15 series is a 15W DIN Rail type DC-DC converter with main features including DIN rail-type easy installation, ultra slim width (17.5mm), 4: 1 ultra wide input voltage, $-40 \sim +85^{\circ}$ C wide operating temperature, 4KVdc I/O isolation, adjustable output voltage (\pm 10%) and full protective functions...etc.

This series has two input options: $9\sim36V/18\sim75V$ and various output options: 3.3V/5V/12V/15V/24V and can be used for industrial control, security control, communication system and other fields. Suitable applications are DC buck/boost regulator, increasing system insulation level and voltage drop compensation along cable...etc.

Model Encoding



File Name:DDR-15-SPEC 2022-09-20

15W DIN Rail Type DC-DC Converter

SPECIFICATION

MODEL		DDR-15G-3.3	DDR-15G-5	DDR-15G-12	DDR-15G-15	DDR-15G-24	
	DC VOLTAGE	3.3V	5V	12V	15V	24V	
ОИТРИТ	RATED CURRENT	3.5A	3A	1.25A	1A	0.63A	
	CURRENT RANGE	0 ~ 3.5A	0 ~ 3A	0 ~ 1.25A	0 ~ 1A	0 ~ 0.63A	
	RATED POWER	11.6W	15W	15W	15W	15W	
	RIPPLE & NOISE (max.) Note.2	50mVp-p	50mVp-p	60mVp-p	75mVp-p	100mVp-p	
	VOLTAGE ADJ. RANGE	3.0 ~ 3.6V	4.5 ~ 5.5V	9 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 28V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±1.5%	±1%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	120ms, 85ms at full load					
	HOLD UP TIME (Typ.)	G-type: 8ms@24Vdc input					
	EXTERNAL CAPACITANCE LOAD (Max.)	3300 μ F	3300 μ F	1200 μ F	1200 μ F	680 μ F	
	VOLTAGE RANGE Note.4	9 ~ 36Vdc	'	<u>'</u>			
	EFFICIENCY (Typ.)	84%	84%	85%	85%	86%	
NPUT	DC CURRENT (Typ.)	0.8A /24Vdc	-	<u> </u>			
	INRUSH CURRENT (Typ.)	15A/24Vdc					
	()	110 ~ 150% rated output power					
	OVERLOAD		•	ers automatically after faul	t condition is removed		
		3.8 ~ 4.7V	5.75 ~ 7V	13.8 ~ 16.2V	17.25 ~ 20.25V	28.8 ~ 32.4V	
	OVER VOLTAGE				11.20 20.201	20.0 02.4 V	
ROTECTION	REVERSE POLARITY	Protection type: Shut down o/p voltage, re-power on to recover					
	UNDER VOLTAGE LOCKOUT	By internal MOSFET, no damage, recovers automatically after fault condition removed					
		Power ON>9V, OFF<8.5V					
ENVIRONMENT	WORKING TEMP.	-40 ~ +85°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	5 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 5 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)					
	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6					
	OPERATING ALTITUDE	5000 meters					
	SAFETY STANDARDS	UL 62368-1, IEC 62368-1, AS/NZS 62368.1, EAC TP TC 004 approved					
	WITHSTAND VOLTAGE	I/P-O/P:4KVdc					
	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 500Vdc / 25°C / 70% RH					
		Parameter Standard Test Level / Note					
	EMC EMISSION	Conducted		BS EN/EN55032	Class B		
SAFETY &		Radiated		BS EN/EN55032	Class B		
		Voltage Flicker		BS EN/EN61000-3-3			
MC		BS EN/EN55035 , BS EN/EN61000-6-2(BS EN/EN50082-2)					
(Note 5)	EMC IMMUNITY	Parameter		tandard Test Level / Note			
		ESD		BS EN/EN61000-4-2	61000-4-2 Level 3, 8KV air ; Level 3, 6KV co		
		Radiated		BS EN/EN61000-4-3	Level 3, 10V/m ; criteria A		
		EFT / Burst		BS EN/EN61000-4-4	Level 3, 2KV ; criteria A		
		Surge		BS EN/EN61000-4-5	Level 3, 1KV/Line-Line ; criteria A		
		Conducted	Conducted BS EN/EN61000-4-6 Level 3, 10V; criteria A		A		
		Magnetic Field BS EN/EN61000-4-8 Level 4, 30A/m ; criteria A					
	MTBF	3446.2K hrs min. Telcordia SR-332 (Bellcore) ; 907.2K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	17.5*90*54.5mm (W*H*D)					
	PACKING	68g; 160pcs/12Kg/1.14CUFT					
IOTE	 All parameters NOT specially mentioned are measured at 24VDC input, rated load and 25°C of ambient temperature. 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. Derating may be needed under low input voltage. Please check the derating curve for more details. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 						
	6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). ** Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						

SPECIFICATION

		DDR-15L-3.3	DDR-15L-5	DDR-15L-12	DDR-15L-15	DDR-15L-24	
	DC VOLTAGE	3.3V	5V	12V	15V	24V	
	RATED CURRENT	4.5A	3A	1.25A	1A	0.63A	
ОИТРИТ	CURRENT RANGE	0 ~ 4.5A	0 ~ 3A	0 ~ 1.25A	0 ~ 1A	0 ~ 0.63A	
	RATED POWER	15W	15W	15W	15W	15W	
	RIPPLE & NOISE (max.) Note.2		50mVp-p	60mVp-p	75mVp-p	100mVp-p	
	VOLTAGE ADJ. RANGE	3.0 ~ 3.6V	4.5 ~ 5.5V	9 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 28V	
	VOLTAGE TOLERANCE Note.3		±2.0%	±2.0%	±2.0%	±2.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±1.5%	±1%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	120ms, 85ms at full load					
	HOLD UP TIME (Typ.)	L-type: 16ms@48Vdc input					
	EXTERNAL CAPACITANCE						
	LOAD (Max.)	3300 μ F	3300 μ F	1200 μ F	1200 μ F	680 μ F	
	VOLTAGE RANGE Note.4	18 ~ 75Vdc					
NPUT	EFFICIENCY (Typ.)	84%	85%	86%	86%	87%	
NPUI	DC CURRENT (Typ.)	0.4A /48Vdc					
	INRUSH CURRENT (Typ.)	15A/48Vdc					
	110 ~ 150% rated output power						
	OVERLOAD	Protection type : Hicc	up mode, recovers	automatically after fault	condition is removed		
ROTECTION	OVER VOLTAGE	3.8 ~ 4.7V	5.75 ~ 7V	13.8 ~ 16.2V	17.25 ~ 20.25V	28.8 ~ 32.4V	
		Protection type : Shut do	own o/p voltage, re-p	ower on to recover		-	
	REVERSE POLARITY	By internal MOSFET, no damage, recovers automatically after fault condition removed					
	UNDER VOLTAGE LOCKOUT						
ENVIRONMENT	WORKING TEMP.	-40 ~ +85°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	5 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 5 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)					
	VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6					
	OPERATING ALTITUDE	2000 meters					
	SAFETY STANDARDS	IEC 62368-1 (LVD) ,AS/NZS 62368.1 approved; Design refer to UL508					
	WITHSTAND VOLTAGE	I/P-O/P:4KVdc	1420 02300. T approv	eu, Design feler to 0L500			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KVdc I/P-O/P>100M Ohms / 5 Parameter	00Vdc/25°C/70% R		Test Level / Note		
		I/P-O/P>100M Ohms / 5	00Vdc / 25°C / 70% R	Н	Test Level / Note		
	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted	00Vdc / 25°C / 70% R	H Standard 3S EN/EN55032	Class B		
		I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated	00Vdc / 25°C / 70% R	H Standard			
	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker	00Vdc / 25°C / 70% R	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3	Class B Class B		
MC	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS E	00Vdc / 25°C / 70% R	H Standard 3S EN/EN55032 3S EN/EN55032 3S EN/EN61000-3-3 3N/EN50082-2)	Class B Class B		
MC	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter	00Vdc / 25°C / 70% R	H Standard 3S EN/EN55032 3S EN/EN55032 3S EN/EN61000-3-3 EN/EN50082-2) Standard	Class B Class B Test Level / Note	al 3. 6KV contact: criteria A	
MC	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD	00Vdc / 25°C / 70% R	Standard 3S EN/EN55032 3S EN/EN55032 3S EN/EN61000-3-3 5N/EN50082-2) Standard 3S EN/EN61000-4-2	Class B Class B Test Level / Note Level 3, 8KV air; Leve	<u> </u>	
MC	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated	00Vdc / 25°C / 70% R	Standard SS EN/EN55032 SS EN/EN55032 SS EN/EN61000-3-3 EN/EN50082-2) Standard SS EN/EN61000-4-2 SS EN/EN61000-4-3	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteri	a A	
MC	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst	00Vdc / 25°C / 70% R	Standard SS EN/EN55032 SS EN/EN55032 SS EN/EN61000-3-3 EN/EN50082-2) Standard SS EN/EN61000-4-2 SS EN/EN61000-4-3 SS EN/EN61000-4-4	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria	4	
MC	EMC EMISSION	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge	00Vdc / 25°C / 70% R	H Standard SS EN/EN55032 SS EN/EN55032 SS EN/EN61000-3-3 EN/EN50082-2) Standard SS EN/EN61000-4-2 SS EN/EN61000-4-3 SS EN/EN61000-4-4 SS EN/EN61000-4-5	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteri Level 3, 2KV; criteria / Level 3, 1KV/Line-Line	a A A e ; criteria A	
MC	EMC EMISSION	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted	00Vdc / 25°C / 70% R	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria /	a A A e ; criteria A	
MC	EMC EMISSION EMC IMMUNITY	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	00Vdc / 25°C / 70% R	H Standard SS EN/EN55032 SS EN/EN55032 SS EN/EN61000-3-3 EN/EN50082-2) Standard SS EN/EN61000-4-2 SS EN/EN61000-4-3 SS EN/EN61000-4-4 SS EN/EN61000-4-5	Class B Class B Test Level / Note Level 3, 8KV air ; Leve Level 3, 10V/m ; criteri Level 3, 2KV ; criteria / Level 3, 1KV/Line-Line	a A A e ; criteria A	
MC Note 5)	EMC EMISSION EMC IMMUNITY	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI	00Vdc / 25°C / 70% R [[[[[[[[[[[[[[[[[[H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria /	a A A e ; criteria A	
MC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H*	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I I I I I I I I I I I I I	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria /	a A A e ; criteria A	
MC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.196	00Vdc / 25°C / 70% R 1	Btandard BS EN/EN55032 BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Btandard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria Level 3, 2KV; criteria A Level 3, 10V; criteria A Level 4, 30A/m; criteria	a A A e ; criteria A A a A	
EMC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190	00Vdc / 25°C / 70% R 1	H Standard 3S EN/EN55032 3S EN/EN55032 3S EN/EN61000-3-3 3N/EN50082-2) Standard 3S EN/EN61000-4-2 3S EN/EN61000-4-3 3S EN/EN61000-4-4 3S EN/EN61000-4-6 3S EN/EN61000-4-8 The property of the prope	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria // Level 3, 1KV/Line-Line Level 3, 10V; criteria // Level 4, 30A/m; criteria	a A A a ; criteria A A a A	
MC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Ripple & noise are measu	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of band	00Vdc / 25°C / 70% R	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BY EN/EN61000-4-8 Input, rated load and 25°0 This instance in the second of th	Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria // Level 3, 1KV/Line-Line Level 3, 10V; criteria // Level 4, 30A/m; criteria	a A A a ; criteria A A a A	
MC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spectors are measured as a control of the control	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of bandup tolerance, line regular	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 tion and load regu	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 Input, rated load and 25°0 " twisted pair-wire terminal trion.	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria / Level 4, 30A/m; criteria	a A A a ; criteria A A a A	
OTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spectors are measured as a control of the control	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of bandup tolerance, line regular under low input voltage	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 attion and load regule. Please check the	H Standard 3S EN/EN55032 3S EN/EN55032 3S EN/EN55032 3S EN/EN61000-3-3 3N/EN50082-2) Standard 3S EN/EN61000-4-2 3S EN/EN61000-4-3 3S EN/EN61000-4-4 3S EN/EN61000-4-5 3S EN/EN61000-4-6 3S EN/EN61000-4-8 Input, rated load and 25°0 " twisted pair-wire terminal lation. The derating curve for more	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria / Level 4, 30A/m; criteria C of ambient temperature nated with a 0.1 μ f & 47 / details.	a A A a; criteria A A a A a A a A a A a A a A a A a A a	
SAFETY & EMC Note 5) OTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spectors are measured as a control of the control o	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of bandup tolerance, line regular under low input voltage idered as an independed	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 ation and load regule. Please check the ent unit, but the fin	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 Input, rated load and 25°0 " twisted pair-wire termir lation. Enderstand curve for more all equipment still need to	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria / Level 4, 30A/m; criteria / C of ambient temperature nated with a 0.1 μ f & 47 / details.	a A A A A A A A A A A A A A A A A A A A	
EMC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Ripple & noise are meast 3. Tolerance: includes set to 4. Derating may be needed 5. The power supply is consthe EMC directives. For g	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are me ured at 20MHz of band up tolerance, line regula under low input voltage idered as an independ uidance on how to per	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 ation and load regule. Please check the ent unit, but the fin	H Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000-3-3 EN/EN50082-2) Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 Input, rated load and 25°0 " twisted pair-wire termir lation. Enderstand curve for more all equipment still need to	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria / Level 3, 1KV/Line-Line Level 3, 10V; criteria / Level 4, 30A/m; criteria / C of ambient temperature nated with a 0.1 μ f & 47 / details.	a A A A A A A A A A A A A A A A A A A A	
EMC Note 5)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spectors are measured as a control of the control of the control of the control of the power supply is constituted that the control of the co	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of bandup tolerance, line regular under low input voltage idered as an independicuidance on how to perw.meanwell.com)	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 ation and load regue Please check the ent unit, but the fin form these EMC te	Bandard Bistandard Bis	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria // Level 3, 1KV/Line-Line Level 3, 1V/ criteria // Level 4, 30A/m; criteria // C of ambient temperature nated with a 0.1 \(\mu \) f & 47 \(\mu \) details. re-confirm that the whole testing of component powers.	a A A A A A A A A A A A A A A A A A A A	
OTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Ripple & noise are meast 3. Tolerance: includes set to 4. Derating may be needed 5. The power supply is consthe EMC directives. For g	I/P-O/P>100M Ohms / 5 Parameter Conducted Radiated Voltage Flicker BS EN/EN55035 , BS El Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 907K hrs min. MIL-HI 17.5*90*54.5mm (W*H* 68g; 160pcs/12Kg/1.190 ially mentioned are meaured at 20MHz of bandup tolerance, line regular under low input voltage idered as an independicuidance on how to perw.meanwell.com)	00Vdc / 25°C / 70% R I I N/EN61000-6-2(BS E I DBK-217F (25°C) D) CUFT asured at 48VDC i width by using a 12 ation and load regue Please check the ent unit, but the fin form these EMC te	Bandard Bistandard Bis	Class B Class B Class B Test Level / Note Level 3, 8KV air; Leve Level 3, 10V/m; criteria // Level 3, 1KV/Line-Line Level 3, 1V/ criteria // Level 4, 30A/m; criteria // C of ambient temperature nated with a 0.1 \(\mu \) f & 47 \(\mu \) details. re-confirm that the whole testing of component powers.	a A A A A A A A A A A A A A A A A A A A	

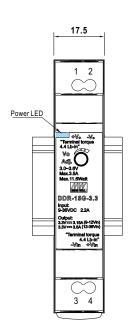


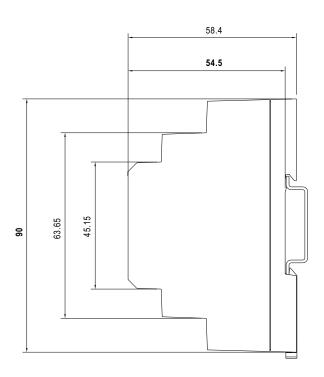
■ Block Diagram fosc: 100KHz RECTIFIERS EMI FILTER POWER I/P 0-& FILTER SWITCHING -O -Vo DETECTION PWM CONTROL CIRCUIT O.L.P. O.V.P. ■ Derating Curve 100 LOAD (%) 0 10 20 30 75 85 (VERTICAL) AMBIENT TEMPERATURE (°C) ■ Output derating VS input voltage 100 90 80 70 60 50 40 G-type: 9 L-type: 18 24 30 36 12 18 24 36 48 60 75 **INPUT VOLTAGE**

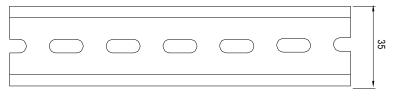


■ Mechanical Specification

(Unit: mm, tolerance ± 0.5mm)







ADMISSIBLE DIN-RAIL:TS35/7.5 OR TS35/15

Terminal Pin No. Assignment

Pin No.	Assignment
1	DC Output +Vo
2	DC Output -Vo
3	DC Input -Vin
4	DC Input +Vin

■ Installation Manual

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