

APS-3-240-24 Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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240W Slim Three Phase Industrial DIN Rail with PFC Function

APS-3-240-24

APS-3-240-24 is one economical slim 240W Din rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 63mm in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 3Ø 340VAC to 550VAC (Dual Phase operation possible) and conforms to BS EN/EN61000-3-2, the norm the European Union regulates for harmonic current. APS-3-240-24 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 92 %, the entire series can operate at the ambient temperature between -30°C and 70°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 (UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, and etc.) make APS-3-240-24 a very competitive power supply solution for industrial applications.

CB Report







Features & Benefits

- Three-Phase 340 ~ 550VAC wide range input (Dual phase operation possible)
- 63 mm slim width
- Built-in passive PFC function compliance to BS EN/EN61000-3-2
- High efficiency 92% and low power dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection

- Full power between -30~+60°C
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL61010 (industrial control equipment) approved
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level

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- DC OK relay contact
- 3 years warranty10

Ordering Information

Part No.	Rated wattage	Output Voltage	Output Voltage Adjustable ADJ. Range	Input Efficiency Typ.	Input Frequency Range
APS-3-240-24	240 W	24 V	24 V~ 28 V	92%	47~ 63Hz

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APS-3-240-24



Specifications

DC Voltage 24/ Rated Current 10A Current Range 0 - 10A Rated Power 240W Rated Power 240W Rated Power 240W Voltage Noise (max.) Note.2 100mVp- Line Regulation 1.0% Line Regulation 1.0% Setup, Rise Time 2000ms, 60ms/400VAC Input Three-Phase 340 ~ 550VAC (usal phase operation possible in connecting L1L3,FG or L2,L3/FG) or 480 ~ 580VAC Qual phase operation possible in connecting L1L3,FG or L2,L3/FG) or 480 ~ 580VAC Qual phase operation possible in connecting L1L3,FG or L2,L3/FG) or 480 ~ 580VAC Voltage Range Note.4 Three-Phase 340 ~ 560VAC at full load Input Three-Phase 340 ~ 560VAC Qual phase operation possible in connecting L1L3,FG or L2,L3/FG or A80 ~ 580VAC Voltage Range Note.4 Three-Phase 340 ~ 560VAC Cart ull load Input Three-Phase 340 ~ 560VAC Qual phase operation possible in connecting L1L3,FG or L2,L3/FG or 480 ~ 580VAC Voltage Carenot T(Pp.) 0.012 START 50A Leakage Current (Typ.) COLD START 50A Leakage Current (Typ.) COLD START 50A Vore Yootage Port-130% rated output power Portection type: Constan	Output				
Rated Current 10A Current Range 0 - 10A Rated Power 240W Rated Power 240W Voltage ADJ, Range 24 - 289 Voltage Tolerance Note.3 +10% Line Regulation 4.0% Load Regulation 4.0% Setup, Rise Time 200mms, 60ms/400VAC Yoltage Range Note.4 Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG) or 480 ~ 780VDC Input Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG) or 480 ~ 780VDC Frequency Range 47 ~ 63Hz Power Factor (Typ.) EPE_0.52/200VAC at full load Efficiency (Typ.) 22% AC Current (Typ.) 0.68A400VAC 0.6AA500VAC at full load Inrush Current (Typ.) 0.08A400VAC 0.6AA500VAC 10L and the full condition is removed. Protection 105 - 130% rated output power Protection byp : Constant current limiting. unit will hiccup after 3 sec. Over Valage 30 - 36V Protection byp : Not down op voltage, recovers automatically after fault condition is removed. Function 20 - 65%. RH non-condensing <t< th=""><th></th><th>241/</th><th></th><th></th></t<>		241/			
Current Range 0 - 10A Rated Power 240W Ripple & Noise (max.) Note.2 100mVp.p Voltage Tolerance Note.3 1.0% Line Regulation -0.5% Load Regulation -0.5% Setup, Rise Time 200mes, 500%/400/AC 40ms / 500%/AC at full load Hold Up Time (Typ.) 2006ms, 500%/400/AC 40ms / 500%/AC at full load Input Three-Phase 340 - 550%/AC (Dual phase operation possible in connecting L1,L3,FG or 480 - 760%/DC Power Factor (Typ.) PF-0.534/00%/AC (PF-0.52/500%/AC at full load Power Factor (Typ.) PF-0.534/00%/AC (PF-0.52/500%/AC at full load Efficiency (Typ.) 62%/400%/AC 0.66/500%/AC AC Current (Typ.) 069/400%/AC 0.66/500%/AC Cold Setup (Typ.) 62%/400%/AC 0.66/500%/AC Cover load 10% - 130%/F rated output pow					
Rated Power 240W Ripple & Noise (max.) Noise. 100mVp.p. Voltage ADJ. Range 24 - 28V Voltage Tolerance Nois.3 1.0% Load Regulation 4.0% Load Regulation 4.0% Setup, Rise Time 200mns. 60ms/500VAC at full load Input Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1.L3,FG or L2.L3,FG) or 480 ~ 780VDC Prequency Range A7 - 63Hz Power Factor (Typ.) PFg.0.53400VAC - PFg.0.52400VAC at full load Efficiency (Typ.) 82% AC Current (Typ.) 0.68A/400VAC - DEA/5200VAC at full load Inrush Current (Typ.) 0.68A/400VAC - DEA/5200VAC at full load Protection 20% AC Current (Typ.) 0.69A/400VAC - DEA/5200VAC at full load Protection 20 - 39/V Over Voltage Protection hype : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 470/C Protection NP Protection hype : Hiccup mode, recovers automatically after fault condition is removed. Protection NP 20 - 65% RH non-condensing Corrent Noise 30 - 470/C Protection NP 20 - 65% RH non-condensing <th></th> <th colspan="3"></th>					
Ripple & Noise (max.) Note.2 100m/typ. Voltage ADJ. Range 24 - 28V Voltage ADJ. Range 24 - 28V Voltage ADJ. Range 24 - 28V Voltage Tolerance Note.3 = 1.0% Line Regulation = 0.5% Load Regulation = 1.0% Setup, Rise Time 2000ms, 60ms/400VAC at full load Hold UP Time (Typ.) 2000ms, 60ms/400VAC at full load Input Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1.L3,FG or 40.2 Voltage Range Note.4 Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1.L3,FG or 40.2 Power Factor (Typ.) PEp.053400VAC - 780/DC Preceiver Name AT - 651tz Power Factor (Typ.) 0.69A400VAC - 0.6A/500VAC Inrush Current (Typ.) 0.69A400VAC - 0.6A/500VAC Protection 405 - 130% rated output power Protection 405 - 130% rated output power Protection 500 - 470°C Over Voltage 40 - 380V Protection by E: Constant current limiting, unit will hiccup after 3 sec. Over Voltage 40 - 480°C DC OK Contact Ratings (max.)					
Voitage ADJ. Range 24 - 28/ Voitage Tolenace Note.3 +1.0% Line Regulation +1.0% Land Regulation +1.0% Setup, Rise Time 200ms, 60ms/600/AC at full load Input 20ms / 400/AC 40ms / 500/AC at full load Voitage Range Note.4 Three-Phase 340 - 550/AC (Dual phase operation possible in connecting L1.L3,FG or L2,L3,FG) or 480 - 780/VC Frequency Range 47 - 63Hz Power Factor (Typ.) PF-0.53400/AC PF>0.522500/AC at full load Prester Typ.) 0.68/A00/AC . PF>0.52260/AC at full load AC Current (Typ.) 28% AC Current (Typ.) COLD START 50A Leakage Current -2mA / 530/AC Protection 200 - 360/ Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 360/ Protection type : Fliccup mode, recovers automatically after fault condition is removed. Over Tomperature Shut down op voltage, recovers automatically after fault condition is removed. Over Voltage Temperature. Note.5 -30 - +70' Shut down op voltage, recovers automatically after fault condition is removed. Outor Shut Generation op voltage, recovers automatically after fault condition is removed. </th <th></th> <th colspan="3"></th>					
Voltage Tolerance Note.3 ±1.0% Line Regulation ±0.5% Load Regulation ±1.0% Setup, Rise Time 2000ms, 60ms/400VAC at full load Input Solars, 400VAC 40ms / 500VAC at full load Input UL3.1F6 jor 480 - 780VDC Power Factor (Typ.) DP+ro.532400VAC 0. Power Factor (Typ.) PF+0.53400VAC 0. Power Factor (Typ.) 0.89A/400VAC 0.6A/500VAC at full load Efficiency (Typ.) 0.89A/400VAC 0.6A/500VAC at full load Inrush Current (Typ.) 0.68A/400VAC 0.6A/500VAC at full load Courrent (Typ.) 0.68A/400VAC 0.6A/500VAC Inrush Current (Typ.) COLD START 50A Leakage Current -2mA / 530VAC Profection 105 - 130% rated output power Overload 105 - 130% rated output power Over Votage -30 - 36V Profection type : Hicoup mode, recovers automatically after fault condition is removed. Function 500 - 470°C Vorking Humidity 20 - 96% RH non-condensing Storage Temperature, Humidity 20 - 96% RH non-condensing Storage Temperature, Humidity 20 - 9		• •			
Line Regulation 40.9% Load Regulation ±1.0% Setup, Rise Time 2000ms, 60ms/400VAC 1500ms, 60ms/500VAC at full load Input 20ms/400VAC 40ms/500VAC at full load Voltage Range Note.4 Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG or 480 ~ 780VDC Frequency Range 47 ~ 63Hz Power Factor (Typ.) PF:0.33400VAC Power Factor (Typ.) 92% AC Current (Typ.) 0.68A4400VAC Potection 2mA / 530VAC Protection 2mA / 530VAC Overload 105 ~ 130% rated output power Protection 105 ~ 130% rated output power Over Voltage 90 - 36V Protection 50VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 50VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Function 500 ~ 470°C Strad generature, Ramperature, Note.5 30 - 30 - 470°C Working Temperature, Note.5 30 - 470°C Storage Temperature, Note.5 30 - 470°C Working Humidity 20 - 95% RH non-condensing Storage Te		-			
Load Regulation 41.0% Setup, Rise Time 2000ms, 60ms/400VAC 1500ms, 60ms/500VAC at full load Hold Up Time (Typ.) 20ms /400VAC 40ms / 500VAC at full load 400 VAC at full load 400 VAC 40ms / 500VAC at full load 400 VAC 40 VAC 40ms / 500VAC at full load 400 VAC 40 VAC 400 VAC 4					
Setup, Rise Time 200ms, 60ms/400VAC 1500ms, 60ms/500VAC at full load Hold Up Time (Typ.) 20ms / 400VAC 40u / 500VAC at full load Input Input Input Voltage Range Note.4 Intres-Phase 340 - 550VAC (Dual phase operation possible in connecting L1,L3,FG or 480 - 780VDC Frequency Range 47 - 63H Power Factor (Typ.) PF20.53/400VAC - PF20.52/500VAC at full load Efficiency (Typ.) 92% AC Current (Typ.) 0.68A/400VAC - 0.64/500VAC Inrush Current (Typ.) 0.60A/400VAC - 0.64/500VAC Leakage Current <2mA / 530VAC Protection 105 - 130% rated output power Protection Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Voltage 30 - 38V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Function 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 20 - 95% RH non-condensing Storage Temperature, Humidity 20 - 95% RH non-condensing Storage Temperature, Humidity -40 - 485°C, 10 - 95% RH non-condensing Over Voltage Category 10: According to EN1556, EN50178, EN60664-1, EN62477-1, EN60204-1; attitude up to 200 meters<					
Hold Up Time (Typ.) 20ms / 400VAC 40ms / 500VAC at full load Input Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG) or 480 - 780VbC Frequency Range 47 - 63Hz Power Factor (Typ.) PF20.53/400VAC PF20.52/500VAC at full load Efficiency (Typ.) 92% AC Current (Typ.) 0.80/400VAC 0.6A/500VAC Inrush Current (Typ.) COLD START 50A Leakage Current <2m / 105 - 130% rated output power Protection Overload 105 - 130% rated output power Protection typ: Protection typ: Hicogn mode, recovers automatically after fault condition is removed. Over Voltage 30 - 34V Protection typ: Storage, recovers automatically after fault condition is removed. DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment Working Temperature, Note.5 -30 - 470°C Vorting Mimidity 20 - 95% RH non-condensing Storage Temperature, Note.5 -30 - 470°C Vorting Mimidity 20 - 95% RH non-condensing Storage Temperature, Humidity -40 - 485°C, 10 - 95% RH non-condensing Storage Temperature, Note.5					
Input Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG) or 480 - 780VDC Frequency Range 47 - 63Hz Power Factor (Typ.) PF-0.52/500VAC a full load Efficiency (Typ.) 92% AC Current (Typ.) 0.884/400VAC 0.6A/5500VAC Inrush Current (Typ.) 0.884/400VAC 0.6A/5500VAC Inrush Current (Typ.) 0.684/400VAC 0.6A/5500VAC Inrush Current (Typ.) 0.684/400VAC 0.6A/5500VAC Overload 105 - 130% rated output power Protection 90 Over Voltage 30 - 36V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Voltage 90 - 470°C DC OK Contact Ratings (max.) 60/DC/0.3A, 30/DC/1A, 30/AC/0.5A resistive load Environment 90 - 470°C Working Temperature. Note.5 -50 - + 470°C Vorking Temperature. Note.5 -50 - 470°C					
Voltage Range Note.4 Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1,L3,FG or L2,L3,FG) or 480 - 780VDC Frequency Range 47 - 631z Power Factor (Typ.) PF20,53/400VAC Efficiency (Typ.) 069/400VAC 0.69/400VAC 0.69/400VAC Leakage Current	Hold Up Time (Typ.)	20ms / 400VAC 40ms / 500VAC at full load			
Voltage Range Note:4 L2,L3,FG) or 480 - 780VDC Terministic State	Input				
Power Factor (Typ.) PF20.53/400VAC PF20.52/500VAC at full load Efficiency (Typ.) 92% AC Current (Typ.) C0.B START 50A AC Current (Typ.) COLD START 50A Cold START 50A Protection Verload 105 - 130% rated output power Protection type : Constant current limiting, unit will hiccup after 3 sec. Overload Over Voltage 30 - 30V Protection type : Miccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down of voltage, recovers automatically after temperature goes down Environment. DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment. Working Humidity 20 - 485°C, 10 - 95% RH non-condensing Storage Temperature, Humidity 40 - 485°C, 10 - 95% RH non-condensing Storage Temperature, Humidity 40 - 485°C, 10 - 95% RH non-condensing Environment: 10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60088-2-6 Operating Altitude Note.6 5000 meters So00 meters Stafety & EMC (Note 7) Stafety & EMC (Note 7) UL61010-1, UL61010-2.201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZ561558-1/.2-16 Fest Level / Note Withst	Voltage Range Note.4				
Efficiency (Typ.) 92% AC Current (Typ.) 0.68/400VAC Leakage Current <2mA / 530VAC Protection Overload 105 - 130% rated output power Protection Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 36V Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 36V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o'p voltage, recovers automatically after fault condition is removed. Protection type : Hiccup mode, recovers automatically after fault condition is removed. Vorking Temperature. Note.5 -30 - +70°C Working Temperature, Note.5 -30 - +70°C Working Temperature, Note.5 -30 - +70°C Vorking Humidity 20 - 95% RH non-condensing Storage Temperature, Humidity 40 - +85°C, 10 - 95% RH non-condensing Storage Temperature, Coefficient ±0.05%/C (0 - 60°C) Component:10 - 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to EC60068-2-6 Oyer Voltage Category UI: According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 200 meters	Frequency Range				
Efficiency (Typ.) 92% AC Current (Typ.) 0.69A/400VAC Object COLE START 50A Leakage Current <2mA / 530VAC Protection 005 - 130% rated output power Protection Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 36V Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Temperature Shut down o'p voltage, recovers automatically after fault condition is removed. Over Temperature Shut down o'p voltage, recovers automatically after fault condition is removed. Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o'p voltage, recovers automatically after fault condition is removed. DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment		PF≧0.53/40	0VAC PF≧0.52/500VAC at full load		
AC Current (Typ.) 0.68A/400VAC 0.6A/500VAC Inrush Current (Typ.) COLD START 50A Leakage Current -2mA / 530VAC Protection -2mA / 530VAC Protection -2mA / 530VAC Overload 105 - 130% rated output power Over Voltage -30 - 36V Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Temperature Shut down of voltage, recovers automatically after fault condition is removed. Protection 50V C/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment					
Inrush Current (Typ.) COLD START 50A Leakage Current Protection Overload 105 - 130% rated output power Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 36V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after fault condition is removed. Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function DC OK Contact Ratings (max.) 60 VDC/0.3A, 30 VDC/1A, 30 VAC/0.5A resistive load Environment Working Temperature. Note.5 -30 - 470°C Working Temperature, Humidity 20 - 95% RH non-condensing Storage Temperature, Humidity 20 - 95% RH non-condensing Component: 10 - 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes; Mounting: Complance to IEC60068-2-6 Cool meters Over Voltage Category III: According to EN1558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 200 meters Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN6	· · · · ·		AC 0.6A/500VAC		
Leakage Current <2mA / 530VAC Protection 105 - 130% rated output power Overload 105 - 130% rated output power Over Voltage 30 - 36V Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 - 36V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 500 - 470°C Working Temperature, Note.5 -30 - 470°C Storage Temperature, Humidity 20 - 95% RH non-condensing Storage Temperature, Mumidity -40 - 485°C, 10 - 95% RH non-condensing Temperature Coefficient ±0.05%/°C (0 - 60°C) Vibration Component:10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Operating Altitude Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZ561558-1/-2-16 Withstand Voltage I/P-O/P, I/P-FG, O/P-FG-2000 Mms / 5		COLD STA	RT 50A		
Protection 105 ~ 130% rated output power Overload 105 ~ 130% rated output power Over Voltage 105 ~ 130% rated output power Over Voltage 105 ~ 130% rated output power Over Voltage 105 ~ 130% rated output power Over Temperature Sut down o/p voltage, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment Working Temperature, Note.5 -30 ~ +70°C Working Temperature, Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity 20 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/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 Note.6 5000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2:201, BS EN/EN61558-1, BS EN/EN61558-216, EAC TP TC 004 approved, design refer to AS/NZ561558-1/2:16 <th< th=""><th></th><th colspan="3"></th></th<>					
Overload 105 ~ 130% rated output power Protection type : Constant current limiting, unit will hiccup after 3 sec. Over Voltage 30 ~ 36V Protection type : Fliccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Working Temperature. Note.5 -30 ~ +70°C Working Temperature, Humidity 20 - 95% RH non-condensing Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient +0.05%/C (0 ~ 60°C) Vibration Component:10 ~ 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes; Mounting: Operating Altitude Note.6 5000 meters Over Voltage Category Excoording to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZ561558-1/-2-16 Withstand Voltage I/P-O/P.4/8/XVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P./P.4/FG, O/P-FG:2.16WO O/P-FG:0.5KVAC O/P-DC OK:0.5KV					
Overload Protection type : Constant current limiting, unit will hiccup after 3 sec. 30 - 36V 30 - 36V Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after fault condition is removed. DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment	Protection				
Over Voltage 30 - 36V Over Temperature Shut down o/p voltage, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 90 - 470°C Working Temperature. Note.5 -30 - +70°C Working Temperature, Humidity 20 - 95% RH non-condensing Storage Temperature, Humidity 40 - +85°C, 10 - 95% RH non-condensing Temperature Coefficient ±0.05%/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 Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety Standards ULE1010-1, ULE1010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage UP-O/P, UP-G, UP-FG::2.4KVAC O/P-FG::0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance UP-O/P, UP-G, UP-FG::0.16KVAC O/P-DC OK:0.5KVAC VP-O/P, UP-IP, IP-FG: O/P-FG::0.1	Overload		· · ·		
Over Voltage Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function Contract Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment Contract Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Working Temperature. Note.5 -30 - +70°C Working Temperature, Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity 40 - +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/°C (0 ~ 60°C) Vibration Compliance to IEC60068-2-6 Operating Altitude Note.6 5000 meters Over Voltage Category II: According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZ561558-1/-2-16 Withstand Voltage UP-O/P, UP-4, GO, OP-FG: 100M Ohms / 500VDC / 25°C/ 70% RH EMC Emission BS EN/EN5032(CISPR32)/BS EN/EN61204- 3 Test Level / Note Radiated BS EN/EN5032(CISPR32)/BS EN/EN61204- 3 Class B					
Protection type : Hiccup mode, recovers automatically after fault condition is removed. Over Temperature Shut down o/p voltage, recovers automatically after temperature goes down Function 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Working Temperature. Note.5 -30 ~ +70°C Working Temperature, Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity 40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/°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 Note.6 5000 meters Over Voltage Category 200 ometers Safety& EMC (Note 7) III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P-4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:-100M Ohms / 500/DC / 25°C 70% RH Parameter Standard Test Level / Note Conducted BS EN/EN50302(CISPR32)/BS EN/EN61204- 3 <	Over Voltage				
Function Image: Construct Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment Working Temperature. Note.5 -30 ~ +70°C Working Humidity 20 ~ 95% RH non-condensing Storage Temperature. Note.5 Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Storage Temperature Coefficient ±0.05%/C (0 ~ 60°C) Component 10 ~ 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6 Operating Altitude Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZ861558-1/-2-16 Withstand Voltage I/P-O/P, I/P-FG, O/P-FG:-100M Ohms / 500VDC / 25°C/ 70% RH Isolation Resistance I/P-O/P, I/P-FG; 0/D-FG:-100M Ohms / 500VDC / 25°C/ 70% RH EMC Emission Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN61000-3-2 Class A Class A					
DC OK Contact Ratings (max.) 60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load Environment		Shut down	o/p voltage, recovers automatically after temper	ature goes down	
Environment Working Temperature. Note.5 -30 ~ +70°C Working Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/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 Note.6 5000 meters Over Voltage Category III: According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG; O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class B Radiated BS EN/EN61000-3-2 Class A Class A	Function				
Working Temperature. Note.5 -30 ~ +70°C Working Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/°C (0 ~ 60°C) Vibration Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC6068-2-6 Operating Altitude Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-0/P, I/P-FG, O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-0/P, I/P-FG, O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Mithstand Voltage I/P-0/P, I/P-FG, O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC EMC Emission BS EN/EN5032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN5032/CISPR32)/BS EN/EN61204- 3 Class A	DC OK Contact Ratings (max.)	60VDC/0.3A, 30VDC/1A, 30VAC/0.5A resistive load			
Working Humidity 20 ~ 95% RH non-condensing Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/°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 Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG: 2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P; H.9FG, O/P-FG:3100M Ohms / 500VDC / 25°C/70% RH EMC Emission B3 EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN5032(CISPR32)/BS EN/EN61204- 3 Class A	Environment				
Storage Temperature, Humidity -40 ~ +85°C, 10 ~ 95% RH non-condensing Temperature Coefficient ±0.05%/°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 Note.6 5000 meters Over Voltage Category II; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P.4.87KVAC //P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance VP-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B BS EN/EN55032(CISPR32)/BS EN/EN61204- Current Class A Vidrage Harmonic Current BS EN/EN61000-3-2 Class A	Working Temperature. Note.5	-30 ~ +70°C			
Temperature Coefficient ±0.05%/°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 Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P.4.87KVAC //P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P. 4.87KVAC //P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- Class B Class A	Working Humidity	20 ~ 95% RH non-condensing			
Temperature Coefficient ±0.05%/°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 Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P.4.87KVAC //P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P. 4.87KVAC //P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- Class B Class A	Storage Temperature, Humidity	-40 ~ +85°C, 10 ~ 95% RH non-condensing			
Vibration Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6 Operating Altitude Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety& EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note EMC Emission BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B EN/EN61204- 3 Class A					
Compliance to IEC60068-2-6 Operating Altitude Note.6 5000 meters Over Voltage Category III; According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P; I/P-FG, O/P-FG:0100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note EMC Emission Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class B					
Over Voltage Category III: According to EN61558, EN50178, EN60664-1, EN62477-1, EN60204-1; altitude up to 2000 meters Safety & EMC (Note 7) UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class A					
Safety & EMC (Note 7) Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note EMC Emission Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A	Operating Annual Note.6				
Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Parameter Standard BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class B EMC Emission BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class A	Over Voltage Category				
Safety Standards UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Parameter Standard BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class B EMC Emission BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Class A	Safety& EMC (Note 7)	1			
Safety Standards approved, design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Test Level / Note Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class A					
Bitery Standards design refer to AS/NZS61558-1/-2-16 Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Test Level / Note Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class A			UL61010-2-201, BS EN/EN61558-1, BS EN/EN	N61558-2-16, EAC TP TC 004	
Withstand Voltage I/P-O/P:4.87KVAC I/P-FG:2.4KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Image: Test Level / Note Test Level / Note Parameter Standard Test Level / Note Class B EMC Emission Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B	Safety Standards				
Isolation Resistance I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A	-				
Parameter Standard Test Level / Note Conducted BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A					
EMC Emission BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A	Isolation Resistance				
EMC Emission Class B Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A		Parameter		Test Level / Note	
EMC Emission Radiated BS EN/EN55032(CISPR32)/BS EN/EN61204- 3 Class B Harmonic Current BS EN/EN61000-3-2 Class A		Conducted		Class B	
Harmonic Current BS EN/EN61000-3-2 Class A	EMC Emission	Radiated	BS EN/EN55032(CISPR32)/BS EN/EN61204-	Class B	
				Class A	
Flicker BS EN/EN61000-3-3		Voltage	BS EN/EN61000-3-3		

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APS-3-240-24



	BS EN/EN55024 ,	BS EN/EN61204-3		
	Parameter	Standard	Test Level / Note	
	ESD	BS EN/EN61000-4-2	Level 4, 15KV air ; Level 4, 8KV contact	
	Radiated Field	BS EN/EN61000-4-3	Level 3	
	EFT / Burst	BS EN/EN61000-4-4	Level 3	
EMC Immunity	Surge	BS EN/EN61000-4-5	Level 4, 2KV / Line-Line, Level 4, 4KV/ Line-Earth	
	Conducted	BS EN/EN61000-4-6	Level 3	
	Magnetic Field	BS EN/EN61000-4-8	Level 4	
	Voltage Dips and Interruptions	BS EN/EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods > 95% interruptions 250 periods	
Others				
MTBF	1534.9K hrs min.	1534.9K hrs min. Telcordia SR-332(Bellcore); 215.6K hrs min. MIL-HDBK-217F (25°C)		

MTBF	
Dimension	63*125.2*113.5mm (W*H*D)
Packing	1Kg; 12pcs/13Kg/1.22CUFT
Mata	

Note

1. All parameters NOT specially mentioned are measured at 400VAC 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 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.

Dual phase operation is allowed under certain derating to output load.
 Installation clearances : 40mm on top, 20mm on the bottom, 5mm on

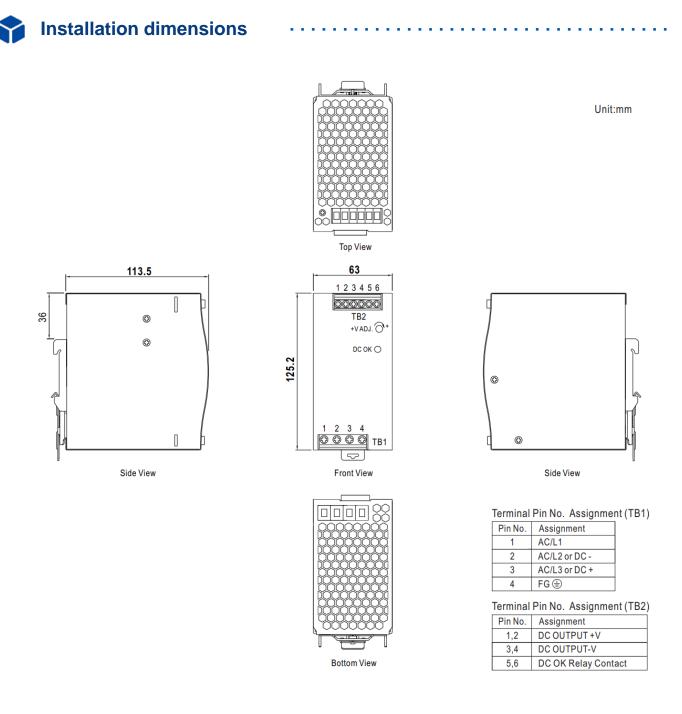
the left and right side are recommended when loaded permanently

with full power.
In case the adjacent device is a heat source, 15mm clearance is recommended.
6. The ambient temperature derating of 3.5°C/1000m is needed for operating altitude higher than 2000m(6500ft).
7. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

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