



#### Description

XBG-160 series is a 160W AC/DC LED driver featuring the constant power mode. XBG-160 operates from 90~305VAC and offers with different rated current ranging between 2850mA and 4100mA. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for  $-40^{\circ}C \sim +90^{\circ}C$  case temperature under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XBG-160 series comply with the latest version of IEC61347/GB7000.1-2015 and UL8750 international safety regulations. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the safety of both users and luminaire system during installation.



Туре	IP Level	Function	Note
А	IP67	constant power adjustable via built-in potentiometer	In Stock
AB	IP67	constant power adjustable via built-in potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock



SPECIFICATION

MODEL		XBG-160				
	DEFAULT OUDDENT					
	DEFAULT CURRENT	3300mA				
	RATED POWER	159.9W	159.9W			
	CONSTANT CURRENT REGION	34~56V				
	FULL POWER CURRENT RANGE					
OUTPUT	OPEN CIRCUIT VOLTAGE (max.)					
OUTFUT						
	CURRENT ADJ. RANGE	1425~4100mA				
	CURRENT RIPPLE	5.0% max. @rated current				
	CURRENT TOLERANCE	土5%				
	SET UP TIME Note.4	500ms/230VAC, 2000ms/115VAC				
		90~305VAC 127~431VDC				
	VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC" section)				
	FREQUENCY RANGE	47~63Hz				
		47 ~ 65H2 PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load				
	POWER FACTOR (Typ.)	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/27/VAC at tull load (Please refer to "Power Factor Characteristic" section)				
	TOTAL HARMONIC DISTORTION	THD<10% (@ load≥60% at 115VAC/230VAC ,@load≥75% at 277VAC)				
INPUT		Please refer to "TOTAL HARMONIC DISTORTION (THD)" section				
	EFFICIENCY (Typ.)	93%				
	AC CURRENT (Typ.)	2.0A / 115VAC 0.8A / 230VAC 0.7A / 277VAC				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=620µs measured at 50% lpeak) at 230VAC; Per NEMA 410				
	MAX. NO. of PSUs on 16A					
	CIRCUIT BREAKER	4 unit(circuit breaker of type B) / 7 units(circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	<0.75mA / 277\/AC	75m4/277\/AC			
		<0.75mA / 277VAC				
	NO LOAD / STANDBY	No load power consumption<0.5W for A-Type				
	POWER CONSUMPTION	Standby power consumption<0.5W for AB-Type				
		95 ~ 108%				
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed				
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed				
PROTECTION		61 ~ 78V				
	OVER VOLTAGE					
		Shut down output voltage, re-power on to recovery				
	OVER TEMPERATURE	Shut down output voltage,				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to	OUTPUT LOAD vs TEMPERATURE" sectio	n)		
	MAX. CASE TEMP.	Tcase=+90℃				
		20 ~ 95% RH non-condensing				
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
ENVIRONMENT			lensina			
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-cond	lensing			
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio	d for 72min. each along X, Y, Z axes	//EN61347-2-13 independent, BS EN/EN62384;		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	-40 ~ +80°C, 10 ~ 95% RH non-cont ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 56 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC			
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	-40 ~ +80°C, 10 ~ 95% RH non-cont ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN BB19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ns / 500VDC / 25°C / 70% RH	d		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b>	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ns / 500VDC / 25°C / 70% RH Standard	d Test Level/Note		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15)	d Test Level/Note		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted Radiated	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15)	d Test Level/Note		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15)	d Test Level/Note		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted Radiated	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15)	d Test Level/Note		
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P.3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3	d Test Level/Note  Class C @load≥50%		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2	d Test Level/Note  Class C @load≥50% 		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P.3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024 , BS EN/EN61204 <b>Parameter</b>	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard	d Test Level/Note Class C @load≥50%  Test Level/Note		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2	d		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD Radiated	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	d Test Level/Note  Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD Radiated EFT/Burst	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD Radiated	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD Radiated EFT/Burst	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohn <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS EN/EN61204 <b>Parameter</b> ESD Radiated EFT/Burst Surge	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-5	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, perio UL8750(type"HL"), CSA C22.2 No. 2 IS15885(Part2/Sec13);GB19510.1, I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Ohr <b>Parameter</b> Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55024 , BS EN/EN61204 <b>Parameter</b> ESD Radiated EFT/Burst Surge Conducted Magnetic Field	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 4		
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, period           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohn           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024, BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14;IP67;EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6	d Test Level/Note Class C @load≥50% Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 Level 4		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, period           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohn           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024, BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted           Magnetic Field           Voltage Dips and Interruptions	d for 72min. each along X, Y, Z axes           50.13-12; ENEC BS EN/EN61347-1, BS EN           5819510.14;IP67;EAC TP TC 004 approve           C O/P-FG:1.5KVAC           ms / 500VDC / 25°C / 70% RH           Standard           BS EN/EN55015(CISPR15)           BS EN/EN55015(CISPR15)           BS EN/EN61000-3-2           BS EN/EN61000-3-3           -3, BS EN/EN61000-6-2           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           BS EN/EN61000-4-11	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, period           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohn           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024, BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted           Magnetic Field           Voltage Dips and Interruptions           1100K hrs min.	d for 72min. each along X, Y, Z axes 50.13-12; ENEC BS EN/EN61347-1, BS EN 3B19510.14; IP67; EAC TP TC 004 approve C O/P-FG:1.5KVAC ms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15) BS EN/EN55015(CISPR15) BS EN/EN61000-3-2 BS EN/EN61000-3-3 -3, BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	d Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
SAFETY & EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF LIFETIME Note.5	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, period           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohn           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024 , BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted           Magnetic Field           Voltage Dips and Interruptions           1100K hrs min.           Telcordia SR-332           50000 hrs min.	d for 72min. each along X, Y, Z axes           50.13-12; ENEC BS EN/EN61347-1, BS EN           5819510.14;IP67;EAC TP TC 004 approve           C O/P-FG:1.5KVAC           ms / 500VDC / 25°C / 70% RH           Standard           BS EN/EN55015(CISPR15)           BS EN/EN55015(CISPR15)           BS EN/EN61000-3-2           BS EN/EN61000-3-3           -3, BS EN/EN61000-6-2           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           BS EN/EN61000-4-11	d Test Level/Note Class C @load≥50% Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
SAFETY & EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, period           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohn           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024, BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted           Magnetic Field           Voltage Dips and Interruptions           1100K hrs min.	d for 72min. each along X, Y, Z axes           50.13-12; ENEC BS EN/EN61347-1, BS EN           5819510.14;IP67;EAC TP TC 004 approve           C O/P-FG:1.5KVAC           ms / 500VDC / 25°C / 70% RH           Standard           BS EN/EN55015(CISPR15)           BS EN/EN55015(CISPR15)           BS EN/EN61000-3-2           BS EN/EN61000-3-3           -3, BS EN/EN61000-6-2           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           BS EN/EN61000-4-11	d Test Level/Note Class C @load≥50% Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY LIFETIME Note.5 DIMENSION PACKING	-40 ~ +80°C, 10 ~ 95% RH non-cond           ±0.03%/°C (0 ~ 60°C)           10 ~ 500Hz, 5G 12min./1cycle, perid           UL8750(type"HL"), CSA C22.2 No. 2           IS15885(Part2/Sec13);GB19510.1,           I/P-O/P:3.75KVAC           I/P-O/P:3.75KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohi           Parameter           Conducted           Radiated           Harmonic Current           Voltage Flicker           BS EN/EN55024 , BS EN/EN61204           Parameter           ESD           Radiated           EFT/Burst           Surge           Conducted           Magnetic Field           Voltage Dips and Interruptions           1100K hrs min.           760000 hrs min.           φ 151.5mm *60mm(D*H)           1.25Kg; 8pcs/11.5Kg/0.93CUFT	d for 72min. each along X, Y, Z axes           50.13-12; ENEC BS EN/EN61347-1, BS EN           5819510.14;IP67;EAC TP TC 004 approve           C O/P-FG:1.5KVAC           ms / 500VDC / 25°C / 70% RH           Standard           BS EN/EN55015(CISPR15)           BS EN/EN55015(CISPR15)           BS EN/EN61000-3-2           BS EN/EN61000-3-3           -3, BS EN/EN61000-6-2           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           BS EN/EN61000-4-11	d Test Level/Note Class C @load≥50% Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 7F (25°C)		













File Name:XBG-160-SPEC 2021-06-30















※ AB-C-Type

132

## XBG-160 series





132

φ 151.5



Pin No.	Assignment	Drawing
1	AC/L	
2	AC/N	(((37)))
3	FG ±	

4**-**ψ6.0

• tc) : Max. Case Temperature.(case temperature measured point) • Ta : Ambient Temperature measured point

#### 100cm F61-XBG-AC-CABLE-100 In Stock 200cm F61-XBG-AC-CABLE-200 By Request 300cm F61-XBG-AC-CABLE-300 By Request 1000 or 2000 or 3000mm 88 35 88 SJOW 17AWG\*3C; H05RN-F 3\*1.0mm<sup>2</sup> CHOGORI 22003213-01

#### ■ INSTALLATION MANUAL

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