
Specification

Product name : Waterproof LED Power supply

Client name : _____

Client model name : _____

Company model name : HC-D05025C

Date : 10.02.25

| Manufacturer confirmation | | | Client confirmation | | |
|---------------------------|----------|-----------|---------------------|----------|-----------|
| Lister | Assessor | Confirmer | Lister | Assessor | Confirmer |
| I.MEX | M.SANTOS | J.JACOBO | | | |

Catalogue

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一、Application

This model is suitable for indoor and outdoor LED lighting fixtures.

二、Model instruction

XXX - X 25C

A stands for the Housing Type

25W stands for Rated Output Current

5V stands for Rated Output Voltage

Stand of Company Name

三、Standard in regulation

HC-X25C meet the following standards :

| | |
|------------------------|--|
| Certification | CE |
| Standard in regulation | EN 55015:2006; EN 61547:1995+A1:2000 ;EN 61000-3-2:2006; EN61000-3-2:1995+A2:2005 EN 61347-1:2008; EN 61347-2-13:2006 |

四、Specification

| Model | HC-D05025C | | | |
|-------------|--|--|--|--|
| Output | Dc Voltage | 5V | | |
| | Rated Current | 5.0A | | |
| | Current Range | 0~5.0A | | |
| | Rated Power | 25W | | |
| | Ripple&Noise(Max) | 150mV | | |
| | Voltage Tolerance | ±5% | | |
| | Setup, Rise Time | 100ms/220VAC | | |
| | Hold Up Time(Typ.) | 80ms/220VAC | | |
| Input | Voltage Range | 170~250VAC | | |
| | Frequency Range | 47~60Hz | | |
| | Power Factor(Typ) | PF>0.6/220VAC | | |
| | Efficiency(Typ) | 80% | | |
| | Ac Current(Typ) | 0.3A/235V | | |
| | Inrush Current(Typ) | Cold-start current 0.45A/235V | | |
| Protection | Short Circuit | Protection type:recovers automatically after fault conditions is removed | | |
| | Overload | Overload protection@ 145~160%above peak rating | | |
| | Over Temperature | protection typer:shut down o/p voltage.re-power on to recover | | |
| Environment | Working Temp | -30~ +60℃(Refer to output load derating curve) | | |
| | Working Humidity | 20~90%RH no-condensing (Waterproof) | | |
| | Storage Temp Humidity | -40~ +80℃、 10~90%RH | | |
| Safety | Safety Standards | CE Mark(LVD),IP67 | | |
| | Withstand Voltage | I/P-O/P:1.5KVAC | | |
| NOTE | 1.All parameters NOT specially mentioned are measured at 220VAC input, rated laod and 25℃ of ambient temperature. | | | |
| | 2. Ripple&noise are measured at 20MHz of bandwidth by using a12'' twisted pair-wire terminated with a 0.1uf&10uf parallel capacitor. | | | |
| | 3.Tolerance:includes set up tolerance, line regulation and load regulation. | | | |

五、Wire connection

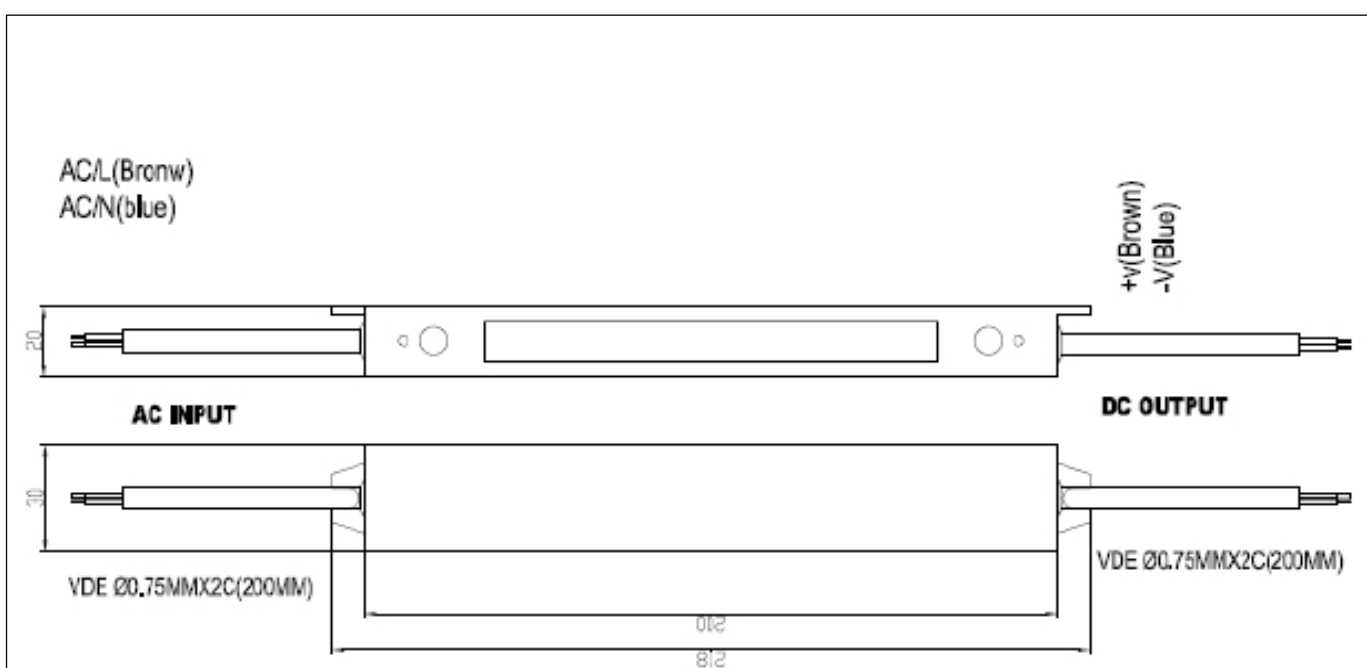
INPUT: 1、 Brown wire connect live wire L

2、 Blue wire connect neutral wire N

OUTPUT: 1、 Brown wire connect anode +

2、 Blue wire connect negative pole -

六、 Outlook and installed dimension

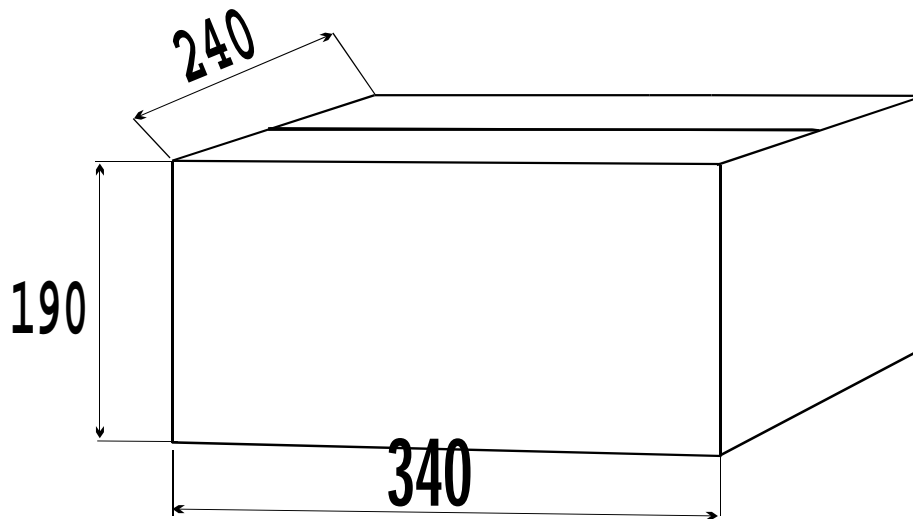


Specification (L x W x H)mm= 200X30X20mm

| | | | |
|-------------------|------------------------------|--------------------|-------------|
| Housing material | plastic | Aluminum (LxWxH) | 218X30X20mm |
| input wire model | 3C:2002 0101 0502 1401 Black | Length of the wire | :200mm |
| output wire model | 3C:2002 0101 0502 1401 White | Length of the wire | :200mm |

七、Packing

1、 Dimension of outer carton



2、 Packing quantity (per carton) : 50PCS

| | | | | | |
|-----------------------|--------------|-----------------------|---------------|------------------|-----------|
| Inter box (L x W x H) | 280X333X33mm | Material of inter box | Cardboard box | Packing quantity | 50pcs/CTN |
|-----------------------|--------------|-----------------------|---------------|------------------|-----------|

Appendix : Performance testing

| Testing contents | | Testing quantity (2PCS) | | | | | |
|--|---------------------------------------|-----------------------------------|------|--|--|--|--|
| Input voltage | | AC220V | | | | | |
| Model | | HC-D05025C (load current 5.0A) | | | | | |
| Testing S/N | | 1# | 2# | | | | |
| Input power | | 31.2 | 30.8 | | | | |
| Output voltage | | 5.1 | 5.0 | | | | |
| Output voltage (load current 0A) | | 5.2 | 5.1 | | | | |
| High-low pressure starting (90-250V) | | OK | OK | | | | |
| Short circuit protection (Connection failure for 3 second, after power-on, PSU can work normally) | | OK | OK | | | | |
| Withstand voltage | Input-Output (AC 1.5KV/5mA 1Min) | OK | OK | | | | |
| | Input--housing (AC 1.5KV/5mA 1Min) | OK | OK | | | | |
| Overload | | / | / | | | | |
| Efficiency | | 80% | 80% | | | | |
| Approval | | PASS | | | | | |
| Tester: Joyce | | Confirmer : Carol | | | | | |