

## ■ Features

- Single output from 60-65W
- 100-240Vac Universal input
- IEC62368-1 approval
- Efficiency Level VI
- SCP, OVP, OCP, and OTP
- 2-year warranty
- Dimension: 119\*60\*36mm

## ■ Application

- Industrial Grade equipment



\*Product images are for illustrative purposes only and may vary from actual design.

**Custom Designs Available!**

## ■ Model List

| Model            | Output Voltage | Output Current | Power |
|------------------|----------------|----------------|-------|
| DT065A-120-X-XX* | 12V            | 5A             | 60W   |
| DT065A-150-X-XX  | 15V            | 4.34A          | 65W   |
| DT065A-180-X-XX  | 18V            | 3.62A          | 65W   |
| DT065A-190-X-XX  | 19V            | 3.42A          | 65W   |
| DT065A-240-X-XX  | 24V            | 2.71A          | 65W   |
| DT065A-280-X-XX  | 28V            | 2.32A          | 65W   |
| DT065A-480-X-XX  | 48V            | 1.36A          | 65W   |

\*Add -MX for 6-Pin Power Type Molex Output connector

## ■ Technical Data

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Voltage                     | 100-240Vac                                       |
| Line Frequency              | 50-60Hz                                          |
| Protection                  | Internal Primary Current Fuse                    |
| Configuration               | IEC60320/C6, C8, C14, C18                        |
| Load Regulation             | ±5% (Typical)                                    |
| Ripple                      | 2% Vp-p Max. for Output Voltage @ Full Load      |
| Transient Response          | 0.5mS for 50% Load Change Typical                |
| Hold-up Time                | 10mS @ Full Load                                 |
| Topology                    | Switching Flyback                                |
| Over Voltage Protection     | V out *120-150% Max.                             |
| Short Circuit Protection    | Shut down                                        |
| Over Current Protection     | I out *120-150% Max.                             |
| Over Temperature Protection | Latch Protection                                 |
| Dielectric Withstand        | 4000Vac Primary-Secondary                        |
| Leakage Current             | <100μA                                           |
| Efficiency                  | DoE Level VI, Energy Star, ErP Stage 2 Certified |

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## ■ Technical Data(cont.)

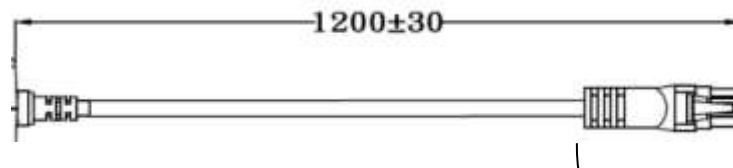
|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| MTBF                            | 300,000 calculated hours at 25°C, by Telcordia SR-332 |
| Operating Temperature           | 0 to + 40°C                                           |
| Storage Temperature             | -20 to 80 °C                                          |
| Relative Humidity<br>Operating: | 20 to 80% RH                                          |
| Relative Humidity Storage       | 10 to 90% RH                                          |
| Cooling                         | Natural Convection Cooling                            |
| Case Dimension                  | L 119xW 60x H 36                                      |
| Weight                          | 350g                                                  |
| Molex Plug                      | 6-Pin Housing Molex 39-01-2060 Connector or similar   |
| Material Flammability           | UL94V-0                                               |

Note: When Over Current Protection is activated, the power supply will shut down automatically. Once the abnormal condition resulting in the failure being removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

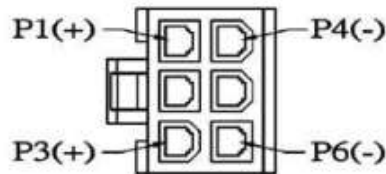
## ■ Safeties/EMI

|                                 |                               |
|---------------------------------|-------------------------------|
| Safety Standard                 | IEC62368-1                    |
| EMI Conduction and<br>Radiation | Compliance to EN55011 Class B |
| Harmonic Current                | Compliance to ENC61000-3-2,3  |
| EMS Immunity                    | Compliance to IEC60601-1-2    |

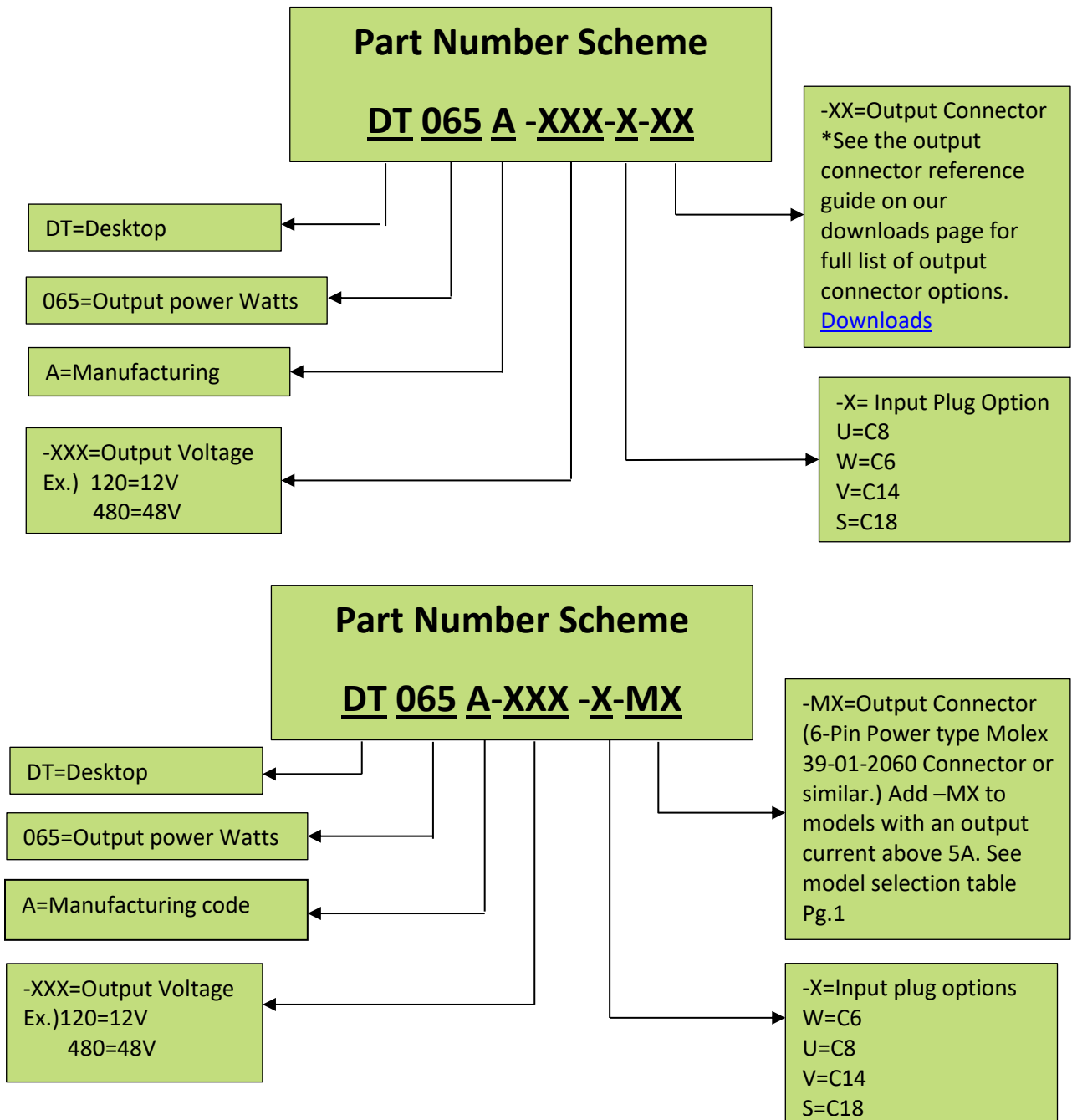
## ■ DC Output Cable Mechanical Diagram



\*Molex 39-01-2060 Connector or similar for models with an output current of 5A and above.



**Output Cable Plug Pin Assignment**



**\*Some Safety Agency Approvals may differ from what is shown. Contact Autec Sales!**

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**\*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**

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