

# PRODUCT DATASHEET

## T8 ECG 1X15/220...240 V

T8 ECG | Electronic Control Gears for UVC lamps



### Areas of application

- Water disinfection including UV units for drinking water, wastewater, swimming pools
- For use with UV recirculators, UV irradiators, HVAC disinfection systems
- Air purification
- Surface sterilization
- Food industry
- Offices, schools
- Healthcare
- Warehouses

### Product benefits

- Specially designed for T8 UVC lamps to implement excellent lamp performance characteristics
- No adverse effect from frequent on/off switching
- Long lamp lifetime with matched driver

### Product features

- Lifetime: up to 20000 h (temperature at  $T_a=50\text{ °C}$ ,  $T_c=80\text{ °C}$ )
- Power factor:  $\geq 0.95$
- Safety complies with EN 61347-1, EN 61347-2-3
- Radio interference complies with EN 55015
- Harmonic distortion complies with EN 61000-3-2
- EMC immunity complies with EN 61000-3-3, EN 61547
- Performance complies with EN 62493

## TECHNICAL DATA

### Electrical data

|                           |             |
|---------------------------|-------------|
| Nominal wattage           | 17.50 W     |
| Nominal voltage           | 220...240 V |
| Mains frequency           | 50/60 Hz    |
| Total harmonic distortion | < 25 %      |
| Power factor $\lambda$    | $\geq 0.95$ |
| ECG efficiency            | $\geq 85$ % |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 238.00 mm |
| Width          | 36.00 mm  |
| Height         | 30.00 mm  |
| Product weight | 190.00 g  |

### Colors & materials

|                 |         |
|-----------------|---------|
| Casing material | Plastic |
| Body material   | Plastic |

### Temperatures & operating conditions

|                                          |              |
|------------------------------------------|--------------|
| Ambient temperature range                | -20...+50 °C |
| Maximum temperature at tc test point     | 85 °C        |
| Max.housing temperature in case of fault | 110 °C       |
| Permitted rel. humidity during operation | 5...80 %     |

### Lifespan

|                            |         |
|----------------------------|---------|
| ECG lifetime               | 10000 h |
| Number of switching cycles | 10000   |

### Capabilities

|                     |                      |
|---------------------|----------------------|
| Dimmable            | No                   |
| Dimming interface   | Not dimmable         |
| Overload protection | Automatic reversible |

### Certificates & Standards

|                           |                       |
|---------------------------|-----------------------|
| Approval marks – approval | CE / RoHS / TUV / EAC |
| Protection class          | I                     |
| Type of protection        | IP20                  |

## LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075534766 | Unpacked<br>1                |                                      |              |           |
| 4058075536524 | Bundle<br>5                  | 300 mm x 240 mm x 50 mm              | 923.00 g     | 3.60 dm³  |
| 4058075536531 | Shipping box<br>50           | 390 mm x 275 mm x 175 mm             | 9715.00 g    | 18.77 dm³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.