

## IT D0P 75/100-277/24V/2C P67 G

Constant voltage ECG for LED modules



### Product family features

- 1 to 2 DALI addressable channels
- Programmable for DALI DT6 or DT8 operation
- Programmable for 0-10V, PWM dimming modes
- Dimming range: 0/1...100 %
- Inrush current limiter circuit

### Product family benefits

- Universal input 100...277 Vac
- 24,2 V output + 1,5 V adjustable
- IP66 and IP67 protection
- High modular PWM output frequency of 20...6 kHz

## Areas of application

- Public squares and architecture lighting
- Dimmable signage
- Suitable for indoor and outdoor SELV installations
- Suitable for Class I and II luminaires

## Technical data

### Electrical data

|                                          |                      |
|------------------------------------------|----------------------|
| Nominal input voltage                    | 230...240 V          |
| Mains frequency                          | 50/60 Hz             |
| Input voltage AC                         | 90...305 V           |
| Nominal input current at 230 V           | 0.37 A               |
| Total harmonic distortion                | < 10 %               |
| Power factor $\lambda$                   | 0.70C...0.99         |
| Efficiency in full-load                  | 90 %                 |
| Device power loss                        | 9.3 W                |
| Inrush current                           | 8.3 A <sup>1)</sup>  |
| Max. ECG no. on circuit breaker 10 A (B) | 15                   |
| Max. ECG no. on circuit breaker 16 A (B) | 25                   |
| Surge capability (L/N-Ground)            | 6 kV                 |
| Surge capability (L-N)                   | 4 kV                 |
| Nominal output voltage                   | 24.2 V <sup>2)</sup> |
| U-OUT (working voltage)                  | 28 V                 |
| Output ripple current (100 Hz)           | < 3 %                |
| Output PSTLM                             | <1                   |
| Output SVM                               | <0.4                 |
| Nominal output power                     | 0...75 W             |
| Maximum output power                     | 75 W                 |
| Galvanic isolation                       | SELV                 |
| Galvanic isolation DALI/mains            | Double               |
| Networked standby power                  | <0.5 W               |

1) @ 230 V, Full load, cold start

2) +1.5 V adjustable via magnet

## Dimensions & weight

|                                      |                      |
|--------------------------------------|----------------------|
| Length                               | 206.0 mm             |
| Width                                | 60.0 mm              |
| Height                               | 43.0 mm              |
| Mounting hole spacing, length        | 198 mm               |
| Mounting hole spacing, width         | 30.0 mm              |
| Cable cross-section, input side      | 1.0 mm <sup>2</sup>  |
| Cable cross-section, output side     | 0.75 mm <sup>2</sup> |
| Wire preparation length, input side  | 10 mm                |
| Wire preparation length, output side | 10 mm                |
| Product weight                       | 800.00 g             |

## Colors & materials

|                 |           |
|-----------------|-----------|
| Casing material | Aluminium |
| Product color   | Grey      |

## Temperatures & operating conditions

|                                          |              |
|------------------------------------------|--------------|
| Ambient temperature range                | -30...+60 °C |
| Maximum temperature at tc test point     | 85 °C        |
| Temperature range at storage             | -25...85 °C  |
| Permitted rel. humidity during operation | 5...85 %     |

## Lifespan

|              |                       |
|--------------|-----------------------|
| ECG lifetime | 50000 h <sup>1)</sup> |
|--------------|-----------------------|

1) @ tc=tc max -5°C and 10 % failure rate, 14 h ON and 10 h stand-by per day

## Capabilities

|                                        |                                                |
|----------------------------------------|------------------------------------------------|
| Programming interface                  | DALI                                           |
| Dimmable                               | Yes                                            |
| Dimming interface                      | 0/1...10 V / DALI-2 / Pulse Width Modulation   |
| Dimming range                          | 1...100 %                                      |
| Dimming method                         | 0/1...10 V / DALI - 2 / Pulse Width Modulation |
| DALI-2 Energy Data                     | No                                             |
| Max. cable length to lamp/LED module   | <3.0 m                                         |
| Suitable for fixtures with prot. class | I / II                                         |
| Suitable for emergency lighting        | No                                             |
| Type of connection, input side         | Cables                                         |
| Type of connection, output side        | Cables                                         |
| Number of channels                     | 2                                              |
| Overheating protection                 | Yes                                            |
| Overload protection                    | Yes                                            |
| Short-circuit protection               | Yes                                            |
| Intended for no-load operation         | No                                             |
| No-load proof                          | Yes                                            |

## Programming

|              |     |
|--------------|-----|
| Tuner4TRONIC | Yes |
|--------------|-----|

## Programmable features

|               |     |
|---------------|-----|
| DALI Settings | Yes |
|---------------|-----|

## Certificates & standards

|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | CE / ENEC / CCC / MM / RCM / PSE                                                                                     |
| Standards                 | IEC/EN 61347-2-13 / IEC/EN 55015 / IEC/EN 61547 / IEC/EN 61347-1 / IEC/EN 62384 / IEC/TR 62778 / IEC/EN 60598-1 / EN |
| Type of protection        | IP66/IP67                                                                                                            |

## Logistical data

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Applicable region | APAC (excl. China, India, Japan) / EUROPE / MEA / SOUTH AMERICA |
|-------------------|-----------------------------------------------------------------|

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |               |
|-----------------------------------------------------------------------|---------------|
| Date of Declaration                                                   | 28-07-2026    |
| Primary Article Identifier                                            | 6937186176745 |
| Declaration No. in SCIP database                                      | In work       |
| SCIP_ID                                                               |               |

## Download Data

| File                   |     |                                                                |
|------------------------|-----|----------------------------------------------------------------|
| Product Datasheet      | PDF | ▶ IT D0P 75_100-277_24 2CH P67 G V1.3 6937186176745 TDS 070826 |
| Mandatory Publications | PDF | ▶ IT D0P XX 100-277 24V 2C P67 G 4555959 02 120626             |
| User instruction       | PDF | ▶ G15132215_UI_DOP_24V_family 040326                           |

## Logistical Data

| Product code                  | Product description                | Packaging unit<br>(Pieces/Unit)  | Dimensions (length<br>x width x height) | Volume                | Gross weight |
|-------------------------------|------------------------------------|----------------------------------|-----------------------------------------|-----------------------|--------------|
| 6937186176745<br>INVENTRONICS | IT D0P 75/100-<br>277/24V/2C P67 G | Shipping carton box<br>15 Pieces | 490 x 300 x 305 mm                      | 44.84 dm <sup>3</sup> | 1047.61 g    |

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