

# PTo 70/220...240 3DIM

Kod produktu: 56592



## Dane techniczne:

- Operating frequency **0.165 kHz**
- Length **133.0 mm**
- ECG efficiency **91 %**
- Inrush current **45 A**
- Max. no. of ECGs on circuit breaker 10 A **7**
- Max. no. of ECGs on circuit breaker 16 A **13**
- Width **77.0 mm**
- Height **48.0 mm**
- Mounting hole spacing, length **123.0 mm**
- Cable cross-section, input side **0.5□2.5 mm<sup>2</sup>**
- Product weight **730.00 g**
- Cable cross-section, output side **0.5□2.5 mm<sup>2</sup>**
- Ambient temperature range **-25□+55 °C**
- Maximum temperature at tc test point **75 °C**
- Overheating protection **Power reduction and switch off at T > 75 °C at the tc point**
- Approval marks □ approval **ENEC 10 / VDE / VDE-EMC / GOST / C-Tick**
- Standards **Acc. to EN 61347-2-12/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 62386-101/Acc. to EN 62386-102/Acc. to EN 62386-103**
- Dimming range **60□100 %**
- Lamp wattage **73 W**
- Line current **0.35 A**
- System wattage **80.00 W**
- Max. no. of ECGs on 16A MCB with EBN-OS **32**
- Max. capacitance of wire ECG/lamp **120 pF**
- Power factor λ **0.95**
- Input voltage AC **220□240 V**
- Mains frequency **50□60 Hz**
- Surge capability (L-N) **3 kV**
- Surge capability (L/N-Ground) **4 kV**
- U-OUT (working voltage) **250 V**
- Input voltage range AC **198□264 V**
- Ignition voltage **4.5 kVp**
- Max. working voltage between LH and LL **250 V**
- Protective conductor current **0.1 mA**
- Max. working voltage betw. LL/LH & earth **250 V**

- Wire preparation length, input side **10±1 mm**
- Wire preparation length, output side **10±1 mm**
- ECG lifetime **60000 h**
- Encapsulated **Yes**
- Design / version **ECG outdoor**
- Required IP rating of luminaire **≥ 54**
- Dimmable **Yes**
- Suitable for fixtures with prot. class **I / II**
- Max. cable length to lamp/LED module **1.5 m**
- Dimming interface **DALI / StepDIM / AstroDIM**
- ECG reset time **> 0.5 s**
- Restriction on ignition time **20 min**
- Burn-in time prior to dimming operation **10 min**
- Lightning stroke protection **With connected equipotentiality-terminal 10 surges with 10 kV acc. to IEC 61000-4-5**
- Type of protection **IP20**
- EEI □ Energy Label **A2**
- Casing material **Plastic**

### Product benefits

- Energy savings up to 30 % (compared to CCG operation) thanks to 3DIM (except PTo 35)
- High surge protection: up to 3 kV (L-N) / 4 kV (L/N-PE)
- Automatic safety shutdown of lamps in the event of a defect or at end of life (EoL)
- Excellent thermal behavior for very high limit temperatures  $t_c$  and  $t_a$

### Areas of application

- Suitable for luminaires of protection classes I and II
- Suitable for outdoor applications in fixtures with IP > 54

### Product features

- 3DIM functionality (StepDIM/AstroDIM/DALI)
- Energy Efficiency Index EEI: A2
- Lightning protection: up to 10 kV
- Line voltage: 198...264 V
- Line frequency: 50...60 Hz
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- RI suppression: to EN 55015 (A1: 2007) up to 300 MHz
- Safety: to EN 61347-2-12
- Luminous flux factor 1 compared with CCG operation
- Not suitable for DC operation

### Thermal characteristics

Ballast losses and lamp heat radiation can lead to heat accumulation in a completely closed case. Therefore it is necessary to ensure that the temperature at the measuring point  $t_c$  of the ECG does not exceed the maximum value.

#### Attention!

For safety reasons disconnect the device before replacing the lamp!

