



DynaVision Programmable Xtreme for CPO

HID-DV PROG Xt 90 CPO C1 208-277V

Highly reliable and flexible electronic drivers for CPO lamps; designed to save on energy costs via integrated controls and to reduce maintenance costs thanks to 80,000-hour lifetime and integrated lightning protection. The DynaVision Programmable product family is the perfect basis for any sort of lighting management solution.

Product data

| General information | | | |
|----------------------------------------------|---------------|------------------------------------------|---------------------------|
| Type Version | - | Ignition Switch-Off Time (Max) | 20 min |
| Lamp Type | CPO | Mains Voltage Performance (AC) | 188-305V |
| Number of Lamps | 1 piece/unit | Mains Voltage Safety (AC) | 160-305V |
| Suitable For Outdoor Use | Yes | Power Factor 50% Load (Min) | 0.97 |
| Number of Products on MCB (16A Type B) (Nom) | 5 | Earth Leakage Current (Max) | 0.7 mA |
| Default Lamp Selected | CPO90 | Output Peak Voltage (Max) | 250 V |
| Automatic Restart | Yes | Inrush Current Width | 0.47 ms |
| | | Lamp Power Tolerance | -3%/+3% |
| | | Input Current (Nom) | 0.49 A |
| | | Inrush Current Peak (Max) | 52 A |
| | | Efficiency at full load [%] | 91.01 % |
| Operating and electrical | | Wiring | |
| Input Voltage | 208-240-277 V | Cable Capacity Output Wires Mutual (Nom) | 1000 pF |
| Input Frequency | 50 to 60 Hz | Cable Length From Device to Lamp | 10 m |
| Minimum Mains Voltage Operation (Min) | 172 V | Wire Striplength | 10.0-11.0 mm |
| Operating Frequency (Nom) | 0.40 kHz | Ballast Contact Wire Cross Section | 0.50-2.50 mm ² |
| Power Factor 100% Load (Nom) | 0.98 | | |
| Ignition Voltage (Max) | 5 kV | | |

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|---------------------------------|-----------------------------------------|
| Connector Type | WAGO series 804 |
| System characteristics | |
| Rated Ballast-Lamp Power | 90 W |
| Rated Lamp Power on CPO | 90 W |
| System Power on CPO | 98 W |
| Lamp Power on CPO | 90 W |
| Power Loss on CPO | 8 W |
| Power Loss on CPO While Dimming | 5.5 W |
| Temperature | |
| T-Ambient (Max) | 50 °C |
| T-Ambient (Min) | -30 °C |
| T-Storage (Max) | 50 °C |
| T-Storage (Min) | -30 °C |
| T-Case Lifetime (Nom) | 80 °C |
| T-Case Switch Off (Min) | 92 °C |
| Controls and dimming | |
| Control Interface | PROG |
| Programmable Lamp Settings | CPO90/SON100/CDO100 |
| Pre-Set Integrated Controls | Dali |
| Programmable Dimming Options | ALO/CLO/Dynadimmer/Linesitch/ AmpDim |
| Run-Up Time Before Dimming | 5 min |
| Fade Down Rate | 0.5 %/sec |
| Fade Up Rate | 6.3 %/sec |
| Control Input Protection | Yes (Basic insulation) |
| Regulating Level | 50%-100% |
| Mechanical and housing | |
| Housing | C1 |

Dimensional drawing

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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval and application | |
| Surge Protection (Common/Differential) | EN61547 (L-L 2kV, L-G 4kV), 10 kV TIL |
| IP Classification Luminaire | 34 |
| Active Temperature Protection | Yes |
| EMI 9 kHz ... 300 MHz | CISPR 15 ed 7.2 |
| EMI 30 MHz ... 1000 MHz | - |
| Safety Standard | IEC 607, 609, 926, 928 [No Standard for HID Lamp drivers exists. Requirements in these standards to be used if considered relevant for the product.] |
| Quality Standard | ISO 9000:2000 |
| Environmental Standard | ISO 14001 |
| Harmonic Current Emission Standard | IEC 61000-3-2 |
| Vibration Standard | IEC 68-2-6 Fc (10-150Hz, 2G) |
| Bumps Standard | IEC 68-2-29 Eb (10G/16ms) |
| Humidity Standard | EN 61347-2-12 clause 11 |
| Approval Marks | F-Marking CE marking ENEC certificate VDE-EMV certificate |
| Hum And Noise Level | < 30 dB(A) |
| Product data | |
| Full product code | 871829120455800 |
| Order product name | HID-DV PROG Xt 90 CPO C1 208-277V |
| EAN/UPC - Product | 8718291204558 |
| Order code | 913700675166 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 913700675166 |
| Net Weight (Piece) | 0.950 kg |

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|-------------------|--------|------|-------|-------|------|------|
| HID-DV PROG Xt 90 | 5.0 mm | 65.0 | 150.0 | 135.9 | 65.0 | 46.8 |
| CPO C1 208-277V | | mm | mm | mm | mm | mm |

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