



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 | | Ignition switch-off time (max.) | |
|--|---------------|---|---------------------------|
| Type version | - | | 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 (16 A 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 |
| 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 strip length | 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 | | |

DynaVision Programmable Xtreme for CPO

| | |
|----------------|-----------------|
| 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 |
|---------|----|

Approval and Application

| | |
|--|---|
| Surge protection (common/differential) | EN61547 (L-L 2kV, L-G 4kV), 10kV TIL kV |
| IP luminaire classification | 34 |
| Active temperature protection | Yes |
| EMI 9 kHz ... 300 MHz | CISPR 15 ed 7.2 |
| EMI 30 MHz ... 1,000 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 |
| Humming 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 | 20455800 |
| Numerator – quantity per pack | 1 |
| SAP numerator – packs per outer box | 12 |
| Material no. (12 NC) | 913700675166 |
| Net Weight (Piece) | 0.950 kg |

Dimensional drawing

A2

| 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 |

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

DynaVision Programmable Xtreme for CPO

