



DynaVision Programmable Xtreme for SON

HID-DV PROG Xt 250 SON C2 208-277V

Highly reliable and flexible electronic drivers for SON lamps; designed to save energy 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 | - |
| Lamp Type | SON |
| Number of Lamps | 1 piece/unit |
| Suitable For Outdoor Use | Yes |
| Number of Products on MCB (16A Type B) (Nom) | 11 |
| Default Lamp Selected | SON250 |
| Automatic Restart | Yes |
| Operating and Electrical | |
| Input Voltage | 208-240-277 V |
| Input Frequency | 50 to 60 Hz |
| Minimum Mains Voltage Operation (Min) | 172 V |
| Operating Frequency (Nom) | 0.20 kHz |
| Power Factor 100% Load (Nom) | 0.99 |
| Ignition Voltage (Max) | 5 kV |
| Ignition Switch-Off Time (Max) | 20 min |

| | |
|--------------------------------|----------|
| Mains Voltage Performance (AC) | 188-305V |
| Mains Voltage Safety (AC) | 160-305V |
| Power Factor 50% Load (Min) | 0.98 |
| Earth Leakage Current (Max) | 0.7 mA |
| Output Peak Voltage (Max) | 250 V |
| Inrush Current Width | 4 ms |
| Lamp Power Tolerance | -3%/+3% |
| Input Current (Nom) | 1.32 A |
| Inrush Current Peak (Max) | 4 A |

| Wiring | |
|--|---------------------------|
| Cable Capacity Output Wires Mutual (Nom) | 1000 pF |
| Cable Length From Device to Lamp | 10 m |
| Wire Striplength | 10.0-11.0 mm |
| Ballast Contact Wire Cross Section | 0.50-2.50 mm ² |
| Connector Type | WAGO series 804 |

DynaVision Programmable Xtreme for SON

| System characteristics | |
|---------------------------------|-------|
| Rated Ballast-Lamp Power | 250 W |
| Rated Lamp Power on Son | 250 W |
| System Power on Son | 273 W |
| Lamp Power on Son | 250 W |
| Power Loss on Son | 23 W |
| Power Loss on Son While Dimming | 13 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 |
| Pre-Set Integrated Controls | Dali |
| Programmable Dimming Options | ALO/CLO/Dynadimmer/lineswitch/ AmpDi |
| Run-Up Time Before Dimming | 0 min |
| Fade Down Rate | 13.3 %/sec |
| Fade Up Rate | 13 %/sec |
| Control Input Protection | Yes (Basic insulation) |
| Regulating Level | 20%-100% |

| Mechanical and Housing | |
|------------------------|----|
| Housing | C2 |

| Approval and Application | |
|--|---------------------------------------|
| Surge Protection (Common/Differential) | EN61547 (L-L 2kV, L-G 4kV), 10 kV TIL |

Dimensional drawing

A2

| | |
|------------------------------------|---|
| 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 | 37 dB(A) |

| Product Data | |
|---------------------------------|------------------------------------|
| Full product code | 871829121991000 |
| Order product name | HID-DV PROG Xt 250 SON C2 208-277V |
| EAN/UPC - Product | 8718291219910 |
| Order code | 913700676766 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 6 |
| Material Nr. (12NC) | 913700676766 |
| Net Weight (Piece) | 1.420 kg |

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|--------------------|--------|------|-------|-------|-------|------|
| HID-DV PROG Xt 250 | 4.8 mm | 58.0 | 169.0 | 156.0 | 100.0 | 81.5 |
| SON C2 208-277V | | mm | mm | mm | mm | mm |

HID-DV PROG Xt 250 SON C2 208-277V

DynaVision Programmable Xtreme for SON

