



DynaVision Programmable Xtreme for SON

HID-DV PROG Xt 150 SON Q 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 | |
|--|---------------|
| Application Code | - |
| 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) | 5 |
| Default Lamp Selected | SON150 |
| 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) | 0.40 kHz |
| Power Factor 100% Load (Nom) | 0.99 |
| Ignition Voltage (Max) | 5.0 kV |

| | |
|--------------------------------|----------|
| Ignition Switch-Off Time (Max) | 20 min |
| Mains Voltage Performance (AC) | 188-305V |
| Mains Voltage Safety (AC) | 160-305V |
| Earth Leakage Current (Max) | 0.7 mA |
| Output Peak Voltage (Max) | 250 V |
| Inrush Current Width | 0.47 ms |
| Lamp Power Tolerance | -3%/+3% |
| Input Current (Nom) | 0.77 A |
| Inrush Current Peak (Nom) | 52 A |
| Efficiency at full load [%] | 90.92 % |

| 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 |

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System characteristics

| | |
|---------------------------------|-------|
| Rated Ballast-Lamp Power | 150 W |
| System Power on CDO | - |
| Lamp Power on CDO | - |
| Power Loss on CDO | - |
| Rated Lamp Power on Son | 150 W |
| System Power on Son | 160 W |
| Lamp Power on Son | 147 W |
| Power Loss on Son | 13 W |
| Power Loss on Son While Dimming | 6.5 W |

Temperature

| | |
|---------------------------------------|--------|
| T-Ambient (Max) | 55 °C |
| T-Ambient (Min) | -30 °C |
| T-Ambient (Min)-DUP(do not use) | -30 °C |
| T-Storage (Max) | 55 °C |
| T-Storage (Min) | -30 °C |
| T-Case Lifetime (Nom) | 80 °C |
| T-Case Lifetime (Nom)-DUP(do not use) | 80 °C |
| T-Case Switch Off (Min) | 92 °C |

Controls and dimming

| | |
|------------------------------|-----------------------------------|
| Control Interface | PROG |
| Programmable Lamp Settings | CPO140/SON150/CDO150 |
| Pre-Set Integrated Controls | Dali |
| Programmable Dimming Options | ALO/CLO/Dynadim/Lineswitch/AmpDim |
| Run-Up Time Before Dimming | 10 min |
| Fade Down Rate | 1.2 %/sec |
| Fade Up Rate | 16 %/sec |
| Regulating Level | 20%-100% |

Mechanical and housing

| | |
|---------|---|
| Housing | Q |
|---------|---|

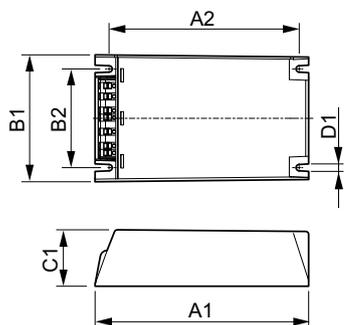
Approval and application

| | |
|--|---|
| 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 | 871829166930200 |
| Order product name | HID-DV PROG Xt 150 SON Q 208-277V |
| EAN/UPC - Product | 8718291669302 |
| Order code | 913700693666 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 913700693666 |
| Net Weight (Piece) | 0.820 kg |

Dimensional drawing



HID-DV PROG Xt 150 SON Q 208-277V

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|--------------------|--------|------|-------|-------|------|------|
| HID-DV PROG Xt 150 | 4.5 mm | 40.0 | 150.0 | 133.6 | 90.0 | 70.0 |
| SON Q 208-277V | | mm | mm | mm | mm | mm |

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