

PrimaVision Xtreme for SON

HID-PV Xt 50 SON Q 208-277V

Highly reliable electronic drivers for SON lamps designed for saving energy via better light efficiency compared to magnetic drivers and for saving on maintenance costs thanks to a lifetime of up to 80.000 hours and the integrated Lightning protection.

Product data

• General Characteristics

Rated Lamptype	SON
Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	50
Line Voltage	208-277 V [208-240-277]
Line Current	0.27 A
Line Frequency	50/60 Hz
Housing	Q
IP Classification Luminaires	34
Suitable for Outdoor use?	Yes
Lifetime 90% surv.@Tcaselife	80000 hr

• Operating Characteristics

Default Lamp selected	SON50
Programmable lamp settings	None
Pre-set integrated controls	None
Programmable dimming options	None
Automatic restart	Yes
Ignition switch-off time	20 min
Ignition Voltage	5 (max) kV
Operating frequency *	0.40 kHz
Mains voltage safety (AC)	160-305V
Mains voltage performance (AC)	188-305V
Min. Mains voltage operational	172 (min) V
Output peak voltage	250 (max) V
Inrush current Peak	28 (max) A
Inrush current Width	0.24 ms
Earth leakage current	0.7 (max) mA
Lamp Power Tolerance	-3%/+3%
PowerFactor 100% output power	0.97 -
Overvoltage protection 320Vac	48 hr
Overvoltage protection 350Vac	2 hr
Control input protection	Yes (Basic insulation)
Max ballast on MCB(16A type B)	11 x
Hum and Noise level	< 30 dB(A)
Regulating level	-

• Wiring Characteristics

Cable-Cap output-wires mutual	1000 pF
Connector type	WAGO series 804
Max. cable length Device/Lamp	10 m
Striplength	10.0-11.0 mm
Wcs Ballast contacts	0.50-2.50 mm2

• System Chars on driver level

Rated Lamp Power on SON	50
System Power on SON	56

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Lamp Power on SON	50
Power Loss on SON	6 W
Power Loss on SON at Dim Power	5 W

- Temperature Characteristics

Active temperature protection	Yes
F-marking	Yes
T-case life	80 C
T-case switch-off	92 (min) C
T-ambient	-30 (min), 55 (max) C
T-storage	-30 (min), 55 (max) C

- Product Dimensions

Length A1	150.0 mm
Fixing Hole Distance Length A2	133.6 mm
Width B1	90.0 mm
Fixing Hole Distance Width B2	70.0 mm
Height C1	40.0 mm
Fixing Hole Diameter D1	4.5 mm

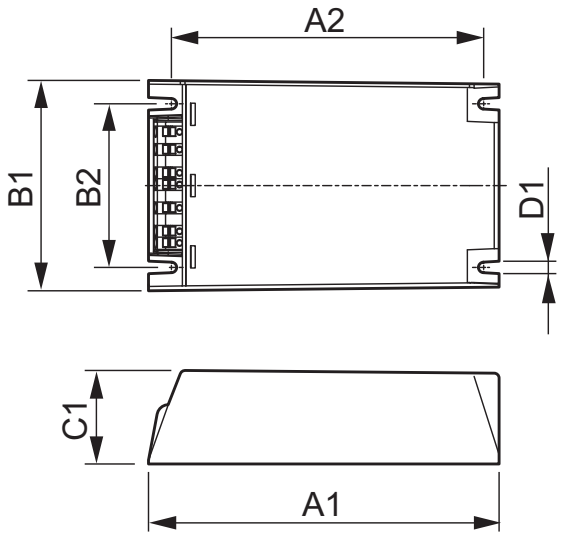
- Approval & Application Chars

EMI 9 kHz ... 300MHz	CISPR 15 ed 7.2
EMI 30 MHz .. 1000MHz	CISPR15 Edition 7.2
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 emissions	IEC 61000-3-2
Vibrations	IEC 68-2-6 Fc (10-150Hz, 2G)
Bumps	IEC 68-2-29 Eb (10G/16ms)
Humidity	EN 61347-2-12 clause 11
Approval marks	ENEC / VDE-EMV
CE marking	Yes
ICEUR certificate	No
C-Tick certificate	No
Surge Protection	EN61547 (L-L 2kV, L-G 4kV), 10kV TIL

- Product Data

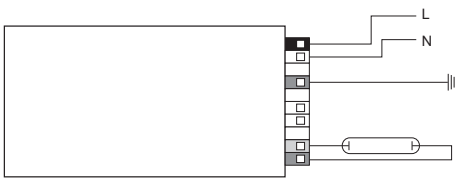
Order code	913700690466
Full product code	913700690466
Full product name	HID-PV Xt 50 SON Q 208-277V
Order product name	HID-PV Xt 50 SON Q 208-277V
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291698760
Bar code on outerbox - EAN3	8718291698777
Logistic code(s) - 12NC	913700690466
Net weight per piece	0.820 kg

Dimensional drawing



HID-PV Xt 50 SON Q 208-277V

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	D1 (Norm)
HID-PV Xt 50 SON Q 208-277V	150.0	133.6	90.0	70.0	40.0	4.5



HID-PV Xt CPO Q

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data subject to change