

DynaVision Programmable Xtreme for CDO

HID-DV PROG Xt 100 CDO Q 208-277V

Highly reliable and flexible electronic drivers for CDO 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	Not specified
Lamp Type	CDO
Number Of Lamps	1 piece/unit
Number Of Products On MCB (16A Type B) (Nom)	5
Default Lamp Selected	CDO100
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 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)	0.97
Earth Leakage Current (Max)	0.7 mA
Output Peak Voltage (Max)	250 V
Inrush Current Width	0.47 ms
Standby Power Consumption (Max)	0.8 W
Lamp Power Tolerance	-3%/+3%
Input Current (Nom)	0.53 A
Inrush Current Peak (Nom)	52 A

• Wiring

Cable Capacity	1000 pF
Output Wires Mutual (Nom)	
Cable Length From Device To Lamp	10 m
Wire Striplength	10.0-11.0 mm
Ballast Contact Wire Cross Section	0.50-2.50 mm²
Connector Type	WAGO series 804

• System characteristics

Rated Ballast-Lamp Power	100 W
Rated Lamp Power On CDO	100 W
System Power On CDO	108 W
Lamp Power On CDO	100 W
Power Loss On CDO	8 W
Power Loss On CDO While Dimming	6 W

PHILIPS

DynaVision Programmable Xtreme for CDO

- Temperature

T-Ambient (Max)	55 °C
T-Ambient (Min)	-30 °C
T-Storage (Max)	55 °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/Dynadim/Lineswitch/ AmpDim
Run-Up Time Before Dimming	10 min
Fade Down Rate	0.5 %/sec
Fade Up Rate	6.3 %/sec
Regulating Level	50%-50%

- Mechanical and Housing

Housing	Q

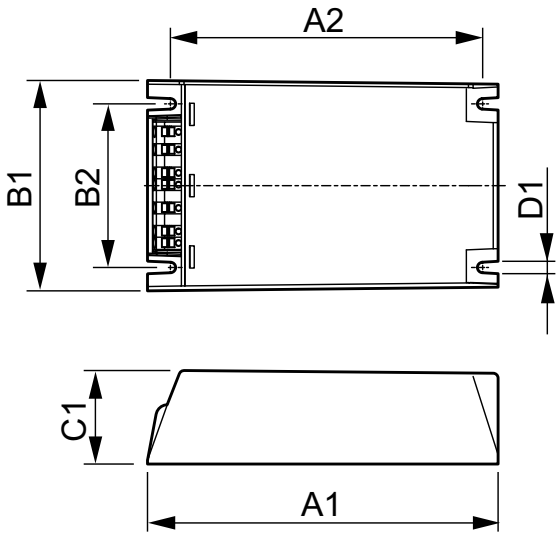
- Approval and Application

Surge Protection (Common/Differential)	EN61547 (L-L 2kV, L-G 4kV), 10kV TIL kV
IP Classification Luminaire	34
Active Temperature Protection	Yes
EMI 9 kHz ... 300 MHz	CISPR 15 ed 7.2
EMI 30 MHz ... 1000 MHz	Not specified
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	871829166920300
Order product name	HID-DV PROG Xt 100 CDO Q 208-277V
EAN/UPC - Product	8718291669203
Order code	913700693166
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700693166
Net Weight (Piece)	0.820 kg

Dimensional drawing

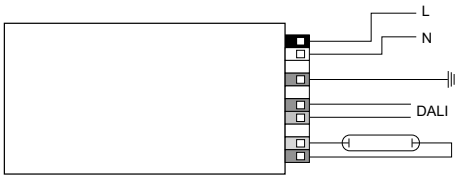


HID-DV Prog & DALI Xt CDO Q

HID-DV PROG Xt 100 CDO Q 208-277V

Product	D1	C1	A1	A2	B1	B2
HID-DV PROG Xt 100 CDO Q 208-277V	4.5 mm	40.0 mm	150.0 mm	133.6 mm	90.0 mm	70.0 mm

Dimensional drawing



HID-DV DALI & PROG Xt CDO Q

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