



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		Operating and Electrical	
Remarks	UK importer address: Signify Commercial UK Limited, 3, Guildford Business Park, GU2 8XG	Operating frequency (nom.)	0.40 kHz
Type version	-	Power factor 100% load (nom.)	0.98
Lamp type	CPO	Ignition voltage (max.)	5 kV
Number of lamps	1 piece/unit	Ignition switch-off time (max.)	20 min
Suitable for outdoor use	Yes	Mains voltage performance (AC)	188-305V
Number of products on MCB (16 A type B) (nom.)	5	Mains voltage safety (AC)	160-305V
Default lamp selected	CPO90	Power factor 50% load (min.)	0.97
Automatic restart	Yes	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.)	0.49 A
		Inrush current peak (max.)	52 A
		Efficiency at full load [%]	91.01 %
		Wiring	
		Cable capacity output wires mutual (nom.)	1000 pF

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Cable length from device to lamp	10 m
Wire strip length	10.0-11.0 mm
Ballast contact wire cross section	0.50-2.50 mm ²
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
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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
Local order code	DVPROGXT90CPO
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	913700675166
SAP net weight (piece)	0.950 kg

Dimensional drawing

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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

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