

OTI DX 100/220...240/700 D NFC IND L

OPTOTRONIC Intelligent Industry – DEXAL (non-isolated) | Linear constant current LED driver – Dimmable



Produktegenskaper

- Nätfrekvens: 0 Hz | 50 Hz | 60 Hz
- Övervakning av armatur driftsparameter
- Matningsspänning: 220...240 V
- Available with output current range: up to 850 mA

Produktfördelar

- Versatile non-isolated DEXAL LED driver up to 150 W due to flexible output characteristic
- Högt överspänningsskydd: upp till 4 kV (L-N) / 4 kV (L/N-PE)

Användningsområde

- Industry lighting
- Lämplig för armaturer med skyddsklass I

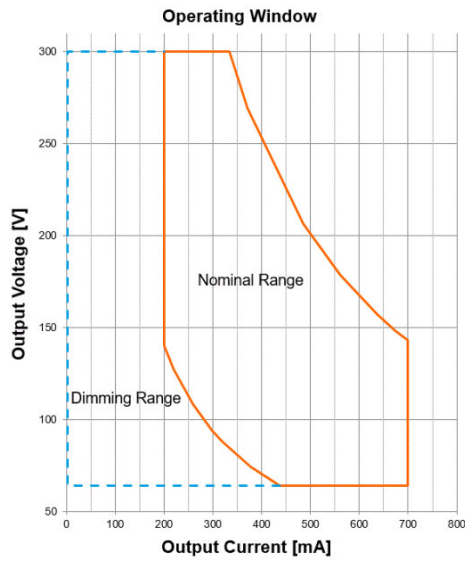
Tekniska data

Elektriska data

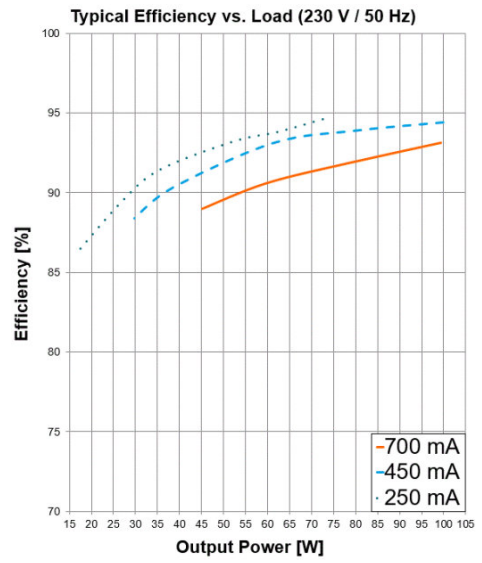
Nominell inspänning	220...240 V
Nätfrekvens	0/50/60 Hz Hz
Inspänning AC	198...264 V
Inspänning DC	176...276 V
Current set	NFC / LEDset / Programmable
Total övertonshalt	< 10 %
Effektfaktor λ	0,57C...0,98
Efficiency in full-load	93 % ¹⁾
Förlusteffekt	2,0 W
IP Inkopplingsström	≤ 5 A
Max antal HF-don på säkringsaut 10 A (B)	20
Max antal HF-don på säkringsaut 10 A (B)	-
Max antal HF-don på säkringsaut 16 A (B)	32
Max antal HF-don på säkringsaut 16 A (B)	-
Max antal HF-don på säkringsaut 25 A (B)	-
Spänningstopp (ström/jord)	4 kV
Spänningstopp (fas/neutral)	4 kV
Nominell utspänning	64...300 V
U-OUT (arbetsspänning)	< 310 V
Nominell utström	200...700 mA
Output current LEDset open	100 mA
Output current LEDset shorted	200 mA
Default output current	100 mA ²⁾
Utgångsströmstolerans	±3 %
Utgångs rippelström (100 Hz)	< 1 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominell uteffekt	23...100 W
Maximal uteffekt	100 W
Galvanisk isolation	Non isolated
Förlusteffekt i Stand-By läge i W	<0,25 W
DEXAL Supply Voltage	15 V
DEXAL Peak Supply Current	60 mA
DEXAL Guaranteed Supply Current	53 mA

¹⁾ at 230 V, 50 Hz

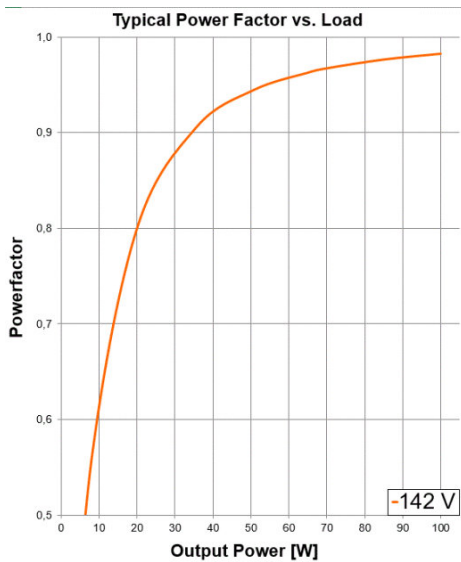
²⁾ LEDset deactivated



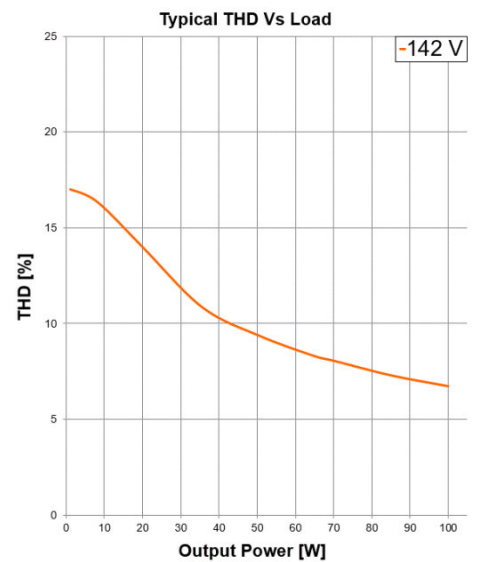
Operating window OTI DX 100700 D NFC IND L



Typical Efficiency vs. Load (230 V 50 Hz) OTI DX 100700 D NFC IND L

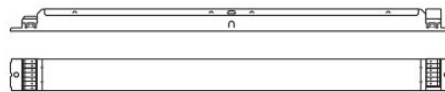


Typical Power Factor vs. Load OTI DX 100700 D NFC IND L



Typical THD vs. Load OTI DX 100700 D NFC IND L

Mått



Hålavstånd längd	414,0 mm
produktvikt	311,13 g
Ledningsarea ingångsida	0,5...1,5 mm ²
Ledningsarea utgångsida	0,5...1,5 mm ²
Avisoleringslängd på primärsidan	8,0...9,0 mm
Avisoleringslängd på sekundärsidan	8,0...9,0 mm
Längd	425,0 mm
Bredd	30,0 mm
Höjd	21,0 mm

Färger & Material

Inkapslingsmaterial	Metal
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Temperaturer och driftsförhållanden

Omgivningstemperaturområde	-40...+70 °C
Maximal temperatur vid tc testpunkt	85 °C
Maximal höljestemperatur vid fel	110 °C
Förvaringstemperatur	-40...+85 °C
Tillåten rel. luftfuktighet under drift	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Livslängder

Hf-don livslängd	100000 / 50000 h
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Tillägg produktdata

Inkapslad	Nej
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Användningsområden

Programming interface	DEXAL, NFC, LEDset
Ljusreglerbar	Ja
Dimmer gränssnitt	DALI-2 / DEXAL
Ljusregleringsområde	1...100 %
Ljusregleringsteknik	Full analogue dimming / AM/PWM selectable
Överhettningsskydd	Automatisk avstängning, återställningsbar
Överlastskydd	Automatisk avstängning, återställningsbar
Kortslutningsskydd	Automatisk avstängning, återställningsbar
Kan drivas utan belastning	Ja
Intended for no-load operation	Nej
Max. kabellängd till lampa / LED-modul	2,0 m ¹⁾
Passande för armaturer med skyddsklass	I
Lämplig till nödbelysning	Ja
Typ av anslutning, ineffektsida	Tryckplint
Typ av anslutning, uteffektsida	Tryckplint
Konstant lumenflödesfunktion	Programmable
Control interface	DEXAL
Number of channels	1
DALI-2 Energy Data	Ja
DALI-2 Diagnostic Data	Ja

¹⁾ Output wires must be routed as close as possible to each other

Programming

Programming device	DALI magic / NFC Scanner
Tuner4TRONIC	Ja
Tuner4TRONIC Field App	Ja
Box programming	Yes

Programmable features

DEXAL Power Supply Unit	Ja
DALI-2 Luminaire Data	Ja

Certifikat och Standarder

Godkännandemärkning	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM
Standarder	enI. IEC 61347-1/enI. IEC 61347-2-13/enI. IEC 62384/Acc. to IEC 62386/enI. IEC 61000-3-2/enI. IEC 61000-3-3/enI. IEC 61547

Produktdatablad

Skyddstyp	IP20
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Logistikdata

Statistiskt varunummer	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	07-07-2023
Primary Article Identifier	4062172050883
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	138efd98-9890-461a-92c7-9259550af640

Databladstext

- The DEXAL interface is polarity sensitive, even if the DEXAL bus power supply in the driver is turned off. Therefore the polarity of all connected drivers should not be mixed.
- For efficiency and standby power measurement, the D4i bus power supply shall be switched off by using Tuner4TRONIC. Refer to www.tuner4tronic.com.

Download

Dokument	
	User instruction OPTOTRONIC LED Power Supply
	Broschyrer Technical application guide DEXAL LED drivers (EN)
	Certifikat OT ENEC 40038085 010322
	Certifikat OT EMC 40044675 031022
	Konformitetsdeklaration OTI DX D NFC IND L CE 3790165 020921
	Konformitetsdeklaration OTI DX D NFC IND L UK DoC 4287982 090221
	CAD-data OTI DX D NFC IND L IGS 191219
	CAD-data OTI DX D NFC IND L STEP 191219

Produktdatablad



CAD-data 2-dim
OTI DX D NFC IND L CAD2PDF 191219



CAD-data 3-dim
OTI DX D NFC IND L CAD3PDF 191219

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistiska data

Produktnummer	Produktbeskrivning	Förpackningsenhet (Styck/Enhet)	Dimensioner (längd x bredd x höjd)	Volym	Bruttovikt
4062172050883	OTI DX 100/220...240/700 D NFC IND L	Transportförpackning 20	447 mm x 160 mm x 101 mm	7.22 dm ³	6421.00 g

Produktkoden gäller minsta tillåtna beställningskvantitet. En transportförpackning kan innehålla en eller flera produkter. Vid orderläggning, vänligen ange en eller flera transportförpackningar.

Datasäkerhetsskydd

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on www.myosram.com and downloading the Tuner4TRONIC software from the Internet. The Tuner4TRONIC software enables users to access and view the operational data of a luminaire or driver via the corresponding programming interfaces. A password key (Config Lock) must be set up in the driver via the Tuner4TRONIC software in order to control which users can access and view operational data. Follow the instructions for password setup. To grant an external person or company rights to access or view operational data, you can assign password keys. In this case, however, you are responsible for ensuring that the third party concerned takes notice of the information described here. However, OSRAM can read out operating data from devices for maintenance and service purposes even when a password key has been assigned. In individual cases, OSRAM will also use its access rights in order to optimize or improve driver hardware and driver functions. In accordance with data privacy principles, any user of operating data (luminaire manufacturers, third parties with access rights) must ensure that personal data (e.g. name, address, location IDs) are only merged with the prior written consent of the person (end user) concerned. The respective user of the operating data is responsible for providing evidence of consent.

Produktdatablad

Friskrivningsklausul

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.