

OTi DALI 50/220-240/48 1CH (NEW)

CV Power supplies 48 V with DALI

Product family features

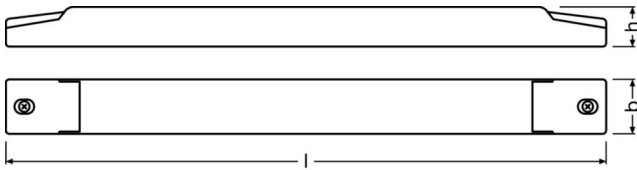


Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	195...264 V
Input voltage DC	176...276 V
Total harmonic distortion	< 5 %
Power factor λ	> 0.98
Efficiency in full-load	92 %
Device power loss	4.0 W
Inrush current	41 A
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	21
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	48.2 V
U-OUT (working voltage)	48.2 V
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	0...80 W
Maximum output power	50 W
Galvanic isolation	SELV
Galvanic isolation DALI/mains	Basic
Galvanic isolation DALI/output	Double
Networked standby power	<0.30 W

Dimensions & weight



Length	346.0 mm
Height	22.0 mm
Mounting hole spacing, length	303.0 mm
Cable cross-section, input side	0.5...2.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	6.0 mm
Wire preparation length, output side	5.0 mm
Product weight	191.00 g

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	115 °C
Temperature range at storage	-40...85 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	No
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Capabilities

Programming interface	DALI - 2
Dimmable	Yes
Dimming interface	DALI-2
Dimming range	0.1...100 %
Dimming method	Pulse Width Modulation
DALI-2 Diagnostic Data	Yes
DALI-2 Energy Data	Yes
Max. cable length to lamp/LED module	50 m
Suitable for fixtures with prot. class	I / III
Suitable for emergency lighting	Yes
EL DC detection selectable	Yes
EL EOFi – default value	0.15
Type of connection, input side	Screw terminal
Type of connection, output side	Screw connection
Suitable for through-wiring	No
Number of channels	1
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	Yes

Programming

Tuner4TRONIC	Yes
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Programmable features

DALI Settings	Yes
DALI-2 Luminaire Data	Yes
TouchDIM + Sensor	Yes
Corridor Functionality	Yes

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE-ENEC / CCC / BIS / EL / MM / RCM
Type of protection	IP20

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	21-01-2025
Primary Article Identifier	6977770432451
Declaration No. in SCIP database	In work
SCIP_ID	

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977770432451	OTi DALI 50/220-240/48 1CH	Shipping carton box 20 Pieces	370 x 170 x 113 mm	7.11 dm ³	199.90 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit