CV Dimmers with DALI

Areas of application

- Suitable for indoor installations
- Separate installation (ceiling mounting)

Product family benefits

- Very precise dimming thanks to digital light control

Product family features

- Intelligent digital dimmer (DALI) with constant output voltage
- Dimming range: 0...100 %
- Device fits also for special applications where dimming below 1 % is required

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Technical data

Electrical data

Product description	Nominal input voltage	Nominal output voltage	Nominal output power	Galvanic isolation
OTi DALI DIM 1-4CH D	12…48 V	12…48 V	240 W	SELV

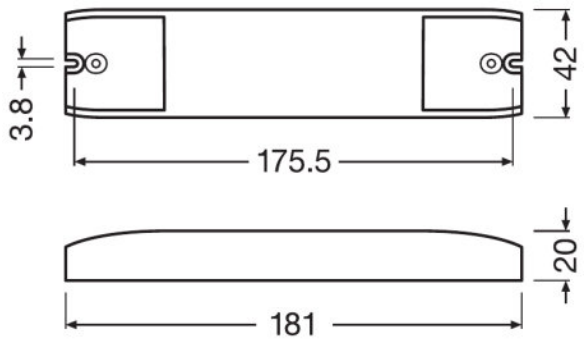
Product description	Output PWM frequency
OTi DALI DIM 1-4CH D	3 k Hz

Dimensions & weight

Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OTi DALI DIM 1-4CH D	175.5 mm	86.00 g	0.5…2.5 mm²	0.5…2.5 mm²	5…8 mm

Product description	Wire preparation length, output side	Length	Height	Width
OTi DALI DIM 1-4CH D	5…8 mm	181.0 mm	20.0 mm	42.0 mm

Product line drawing



OTi DALI DIM 1-4CH D

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Colors & materials

Product description	Casing material
OTi DALI DIM 1-4CH D	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Temperature range at storage	Permitted rel. humidity during operation
OTi DALI DIM 1-4CH D	-20…+50 °C	60 °C	-40…+85 °C	5…85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OTi DALI DIM 1-4CH D	50000 h

Additional product data

Product description	Encapsulated
OTi DALI DIM 1-4CH D	No

Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OTi DALI DIM 1-4CH D	Yes	DALI-2 / Corridor / Touch DIM	1…100 %	PWM

Product description	Overheating protection	Short-circuit protection	No-load proof	Suitable for fixtures with prot. class
OTi DALI DIM 1-4CH D	Automatic reversible	Automatic reversible	Yes	I / II

Product description	Type of connection, input side	Type of connection, output side	Number of channels
OTi DALI DIM 1-4CH D	Screw terminal	Screw terminal	4

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OTi DALI DIM 1-4CH D	CE / EAC / RCM / ENEC 05	Acc. to EC 61347-2-13/Acc. to EN 62384/Acc. to EN 55015/Acc. to EN 61547	IP20

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Logistical data

Product description	Commodity code
OTi DALI DIM 1-4CH D	85371098990

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OTi DALI DIM 1-4CH D	19-05-2023	4062172166010	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OTi DALI DIM 1-4CH D	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	54346234-b0d6-40e6-b128-c4d9b7f4767a

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

	File
	User instruction OTi DALI DIM 1 4CH D UI
	Product Datasheet OTI DALI DIM 1 4 CH D TDS 310821
	Certificates ENEC certificate OTi DALI DIM 1-4CH D
	CAD data 3-dim 3D STEP file
	CAD data 3-dim OTi DALI DIM 1-4CH D _ 3D stp file

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172166010	OTi DALI DIM 1-4CH D	Shipping carton box 20	229 mm x 197 mm x 133 mm	6.00 dm^3	2088.00 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.

Disclaimer

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

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