DALI-2 components

TRIDONIC

DALI XC G3 CWM 30 DA2

DALI-2 control module with switch inputs



Product description

- _ DALI-2 input controller
- _ Compatible with DALI-2 certified Application Controller
- _ Suitable only for DALI-2 certified or compatible lighting control systems, not compatible with Tridonic's comfortDIM system
- _ 4 independent inputs enabling connection of floating contact, standard momentary switches
- _ Multiple DALI XCs possible on the DALI-2 line
- _ Power supply via DALI-2 line
- Connection wires according to the terminal colours with 25 cm length included
- _ 5 years guarantee (conditions at
- https://www.tridonic.com/manufacturer-guarantee-conditions)

000	Com TRIDONIC T1 H: Farbregase 15/861 Dombin / Austria Sig Cak Larb Basingsteke / RG24 8WF / UK T2 DALI XC G3
	T3 CWM 30 DA2 Art. No. 28002877
	T4 ta: 0°C+60°C B 59 5mm tc: +65°C DA Wre 02-1.55° Wre 02-1.55° Made n Storwaka
	DA DOOD WWYY SCOODDOOD

Website http://www.tridonic.com/28002877

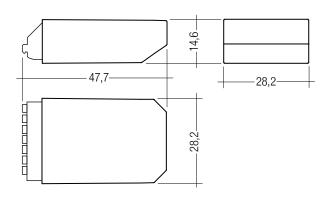


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Ordering data

Туре	Article number	Packaging, carton	Weight per pc.
DALI XC G3 CWM 30 DA2	28002877	60 pc(s).	0.087 kg

Technical data

Supply via	DALI-2	
Supply voltage ®	9.5 – 22.5 V	
Current draw [®]	max. 6 mA	
Input	4 momentary-action switches or relays	
Ambient temperature ta	0 +60 °C	
tc point	65 ℃	
Storage temperature ts	-25 +60 °C	
Humidity	20 90 % not condensed	
Starting time	≤ 6 s	
Type of protection	IP20	
Mounting	Mounting box 60 x 61 (ø x d)	
Housing material	Polycarbonate	
Housing colour	Light grey, similar to RAL 7035	
Dimensions L x W x H	47.7 x 28.2 x 14.6 mm	
Lifetime	up to 50,000 h	
Guarantee (conditions at www.tridonic.com)	5 Year(s)	

Approval marks



Standards

EN 61347-1, EN 55015, EN 61347-2-11, EN 61547, EN 62386-101, EN 62386-103, EN 62386-301

① Uin acc. IEC 62386-101.

Products produced before 9th May 2022 max. 10 mA.

Lighting Controls and Connectivity

DALI-2 components

1. Standards

ΕN	61347-1
ΕN	55015
ΕN	61347-2-11
ΕN	61547
ΕN	62386-101
ΕN	62386-103
ΕN	62386-301
ΕN	62386-332

1.1 DALI note



Device is developed according to DALI Standard EN 62386-101 Ed.2, also known as DALI-2. To be able to use the device in such installation, an application controller is necessary.

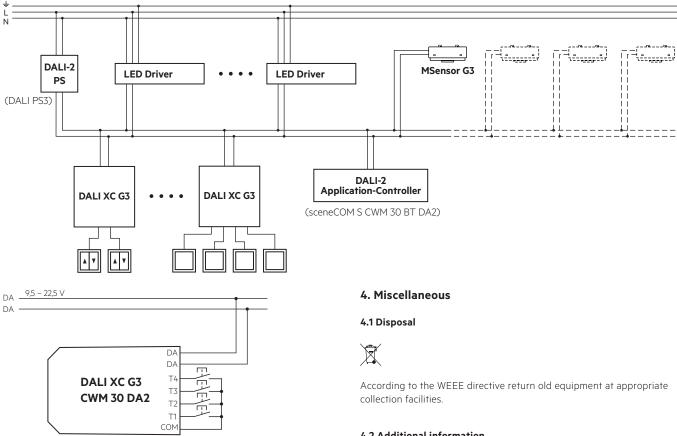
1.2 Glow wire test

according to EN 61347-2-11 passed for temperatures up to 850°C.

2. Installation

- Device can be inserted into the mounting box for the momentary switch.
- Device must not be connected to the mains. It is supplied directly via the DALI-2 signal line.
- The momentary switches are connected directly to the device (potential free contacts) and must not be connected to the mains.
- DALI-2 signals are not SELV. Therefore the same procedures should be applied as working with mains voltage.
- Only one momentary switch each device output.
- Multiple devices can be used on the same DALI-2 network.

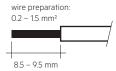
2.1 Connection diagrams



2.2 Wiring type and cross section

For wiring use stranded wire with ferrules or solid wire from 0.2 to 1.5 mm². Maximum cable length between momentary switch and device is 50 cm.

Connecting wires are supplied inside the package.



2.3 Terminals

Orange = DALI D1 and D2 Grey = Push button inputs T1 - T4 Purple = Push button common

2.4 Terminal and instance description

Device supports the full push button functionality according to IEC62386-301. The device has 4 button terminals. These correspond to the 4 implemented DALI 301 instances:

Terminal	Instance nr.
T1	0
T2	1
Т3	2
Τ4	3

Data sheet 05/25-CO122-9

Subject to change without notice.

4.2 Additional information

Additional technical information at <u>www.tridonic.com</u> \rightarrow Technical Data

Guarantee conditions at <u>www.tridonic.com</u> \rightarrow Services

Lifetime declarations are informative and represent no warranty claim. No warranty if device was opened.