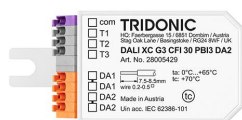


DALI XC G3 CFI 30 PBI3 DA2

DALI-2 control module with switch inputs



Product description

- _ DALI-2 push buttons input device
- _ Compatible with DALI-2 certified Application Controller
- _ Suitable for DALI-2 certified lighting control systems
- _ 3 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
- _ Extended max. wiring length up to 2 m between COM and Tx terminal
- _ Detachable mounting flaps, allow installation in flush-mounted boxes and luminaires
- _ Through-wiring DA1 / DA2 possible
- _ DALI-2 / D4i certified (type "B")
- _ 5 years guarantee (conditions at

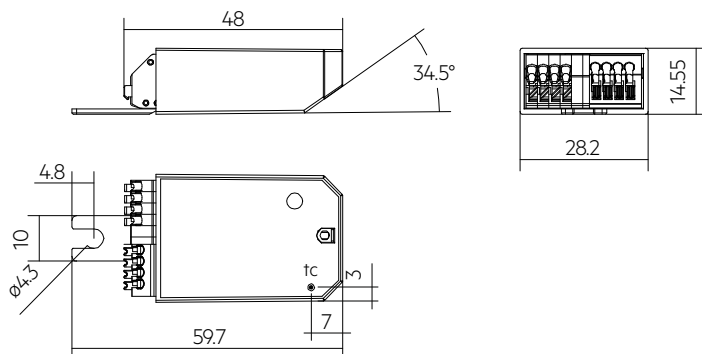
<https://www.tridonic.com/manufacture-guarantee-conditions>)

Website

<http://www.tridonic.com/28005429>



DALI-2 control module with switch inputs



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI XC G3 CFI 30 PBI3 DA2	28005429	28 pc(s).	0.087 kg

Technical data

Supply via	DALI-2
Supply voltage ^①	9,5 – 22,5 V
Current draw	max. 6 mA
Input	3 momentary-action switches or relays
Ambient temperature ta	0 ... +65 °C
tc point	70 °C
Storage temperature ts	-25 ... +60 °C
Humidity	20 ... 90 % not condensed
Starting time	≤ 6 s
Type of protection	IP20
Mounting	Luminaire installation
Housing material	Polycarbonate
Housing colour	Light grey, similar to RAL 7035
Dimensions L x W x H	59,7 x 28,2 x 14,6 mm
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.

1. Standards

EN 61347-1
EN 55015
EN 61347-2-11
EN 61547
EN 62386-101
EN 62386-103
EN 62386-301
EN 62386-351

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 D4i note

D4i luminaire-mounted control devices (part 351) = Type B

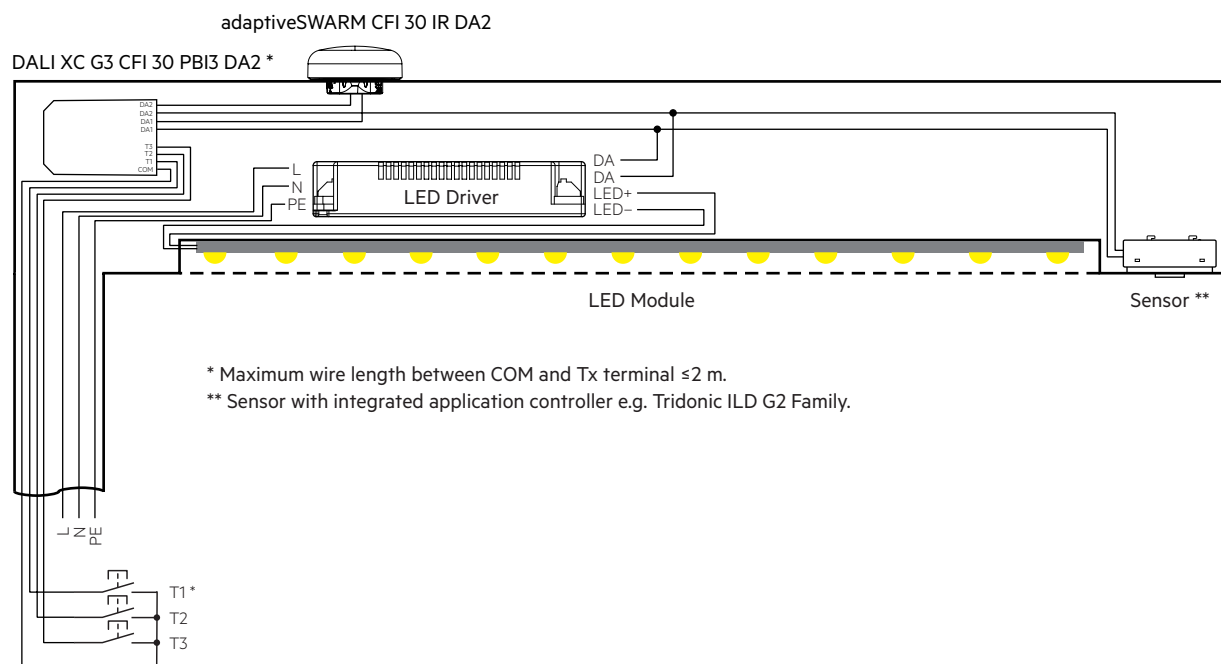
1.3 Glow wire test

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

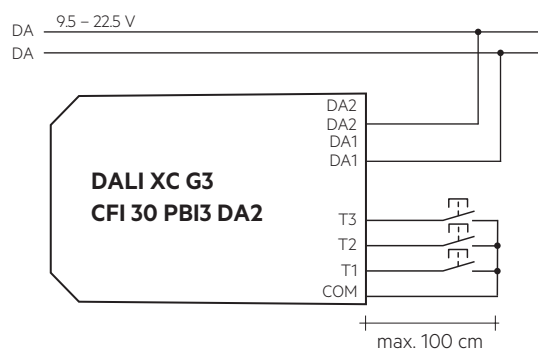
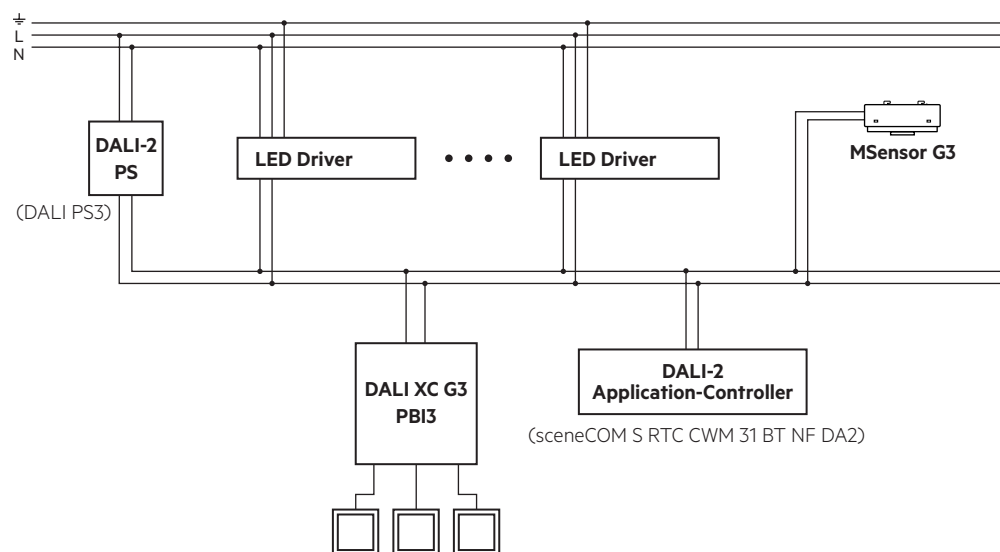
2. Installation

- Device must be installed inside the luminaire.
- 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.

Example wiring inside free-standing luminaire:



Example DALI installation Wiring:

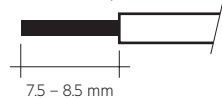


2.2 Wiring type and cross section

For wiring use stranded wire with ferrules or solid wire from 0.2 to 0.5 mm².
Maximum cable length between COM and Tx terminal is 200 cm.

wire preparation:

0.2 – 0.5 mm² / AWG 20 – 26



2.3 Terminals

Orange = DALI D1 and D2

Grey = Push button inputs T1 – T3

Purple = Push button common

2.4 Terminal and instance description

Device supports the full push button functionality according to IEC62386-301. The device has 3 button terminals.

These correspond to the 3 implemented DALI 301 instances:

Terminal	Instance nr.
T1	0
T2	1
T3	2

3. Miscellaneous

3.1 Disposal



According to the WEEE directive return old equipment at appropriate collection facilities.

3.2 Additional information

Additional technical information at www.tridonic.com → Technical Data

Guarantee conditions at www.tridonic.com → Services

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