



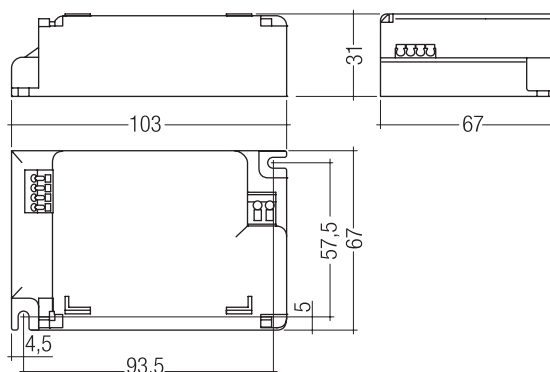
## TALEXconverter 0018 K350 DALI RGB ECO series

### Product description

- Constant current LED control gear
- 3-channel DALI dimming LED control gear
- For 350 mA LED modules
- Dimming range 0.1 to 100 %
- Precise load balancing per output channel
- Compact dimensions
- Overtemperature protection
- Short-circuit protection with automatic restart
- DC supply possible
- DALI control input
- 3 addressable output channels
- Screw terminal
- 6-pole ribbon cable terminal on secondary side
- Rapid installation of cable clamp and terminal cover, no tool required
- Cross-section of connecting cable: 2.5 mm<sup>2</sup>
- Connecting cable, supply side: H03VV-F, H05VV-F

### Technical data

Rated supply voltage AC	230 V
Input voltage, AC	198 – 254 V
Input voltage, DC	200 – 240 (160) V <sup>①</sup>
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 82 %
PWM frequency	120 Hz
Max. input power	22 W
Output power	18 W
Max. output voltage	24 V
Max. cable length	2 m
Dimming	DALI
Ambient temperature t <sub>a</sub>	-20 ... +45 °C
Max. casing temperature t <sub>c</sub>	75 °C
Dimensions LxWxH	103 x 67 x 31 mm
Hole spacing D	91.5 – 95.5 mm



### Ordering data

Type	Article number	Secondary current	Packaging carton	Weight per pc.
0018 K350	28000939	350 mA	20 pc(s).	0.132 kg

<sup>①</sup> After power up with higher voltage, the device will work with a reduced voltage as specified above.



Standards, page 2

Installation example, page 2

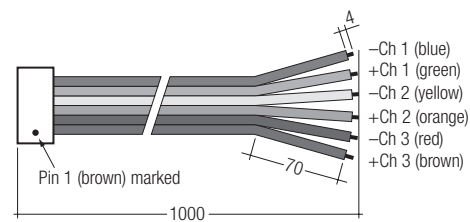
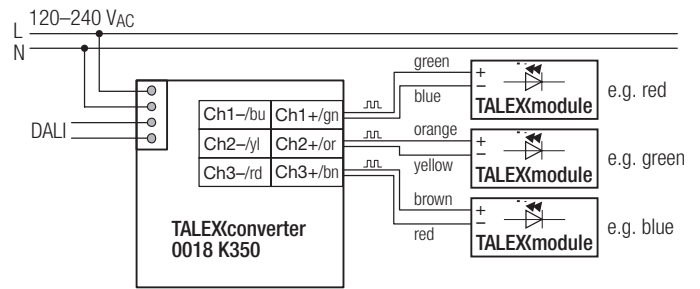
## Standards

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62384

## Number of TALEXeos modules on TALEXconverter LED 0018 K350 DALI RGB per channel

colour	TALEX P211
red, amber	0-5
green, blue, white	0-5

## Wiring



secondary terminals:  
ribbon cable (AWG26) with 6 pole multipoint socket connector (DIN41651) included in delivery – plus signal leads can be connected together behind end terminal block.

## Loading of automatic circuit breakers

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20
Installation Ø	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
<b>0018 K350</b>	30	40	50	60	15	20	25	30

## Isolation and electric strength testing of luminaires

Electronic devices can be damaged by high voltage. This has to be considered during the routine testing of the luminaires in production.

According to IEC 60598-1 Annex Q (informative only!) or ENEC 303-Annex A, each luminaire should be submitted to an isolation test with 500 V<sub>DC</sub> for 1 second. This test voltage should be connected between the interconnected phase and neutral terminals and the earth terminal.

The isolation resistance must be at least 2 MΩ.

As an alternative, IEC 60598-1 Annex Q describes a test of the electrical strength with 1500 V<sub>AC</sub> (or 1.414 x 1500 V<sub>DC</sub>). To avoid damage to the electronic devices this test must not be conducted.

## Additional information

Additional technical information at  
[www.tridonic.com](http://www.tridonic.com) → Technical Data

Guarantee conditions at  
[www.tridonic.com](http://www.tridonic.com) → Services

No warranty if device was opened.