

#### ACU SRL BOX

SR LINECT connection box

#### Product description

- Connection BOX with pre-assembled cable – for lighting OEM Electronic products
- 3-POL version (N / PE / L)
- 5-POL version (N / PE / L / DA- / DA+)
- 5 years guarantee (conditions at [www.tridonic.com](http://www.tridonic.com))

#### Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

#### Interfaces

- Support LINECT interface (T-Connector needed)
- 3-pole or 5-pole connectors
- Pre-assembled cable for connecting a LED driver

#### Functions

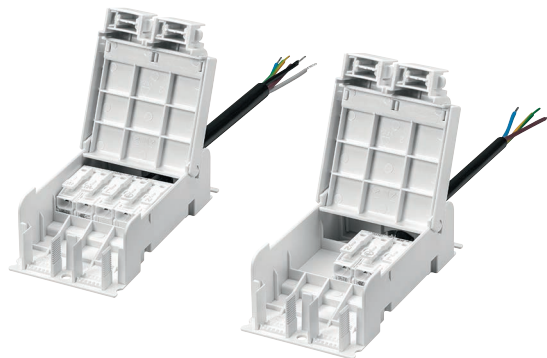
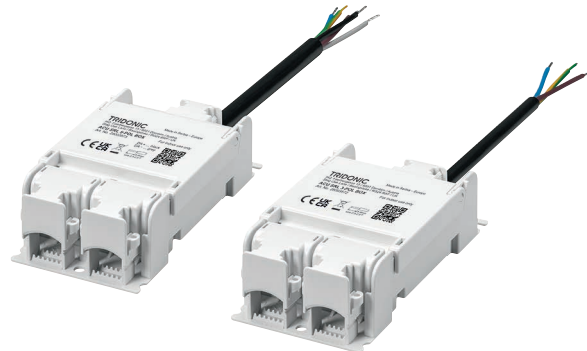
- Tool-free strain relief – supports mains loop through for cable wiring (up to 16 A)
- Tool-free cable assembling: for stranded and solid wires – cable cross-sections up to 2.5 mm<sup>2</sup>
- Support LINECT interface for fast assembling (up to 16 A)
- Suitable for DC Voltage Input – for emergency escape lighting systems

#### Benefits

- Luminaire upgrade with LINECT, support WAGO, WIELAND, ENSTO and further LINECT partners cable for the wiring on site
- OEM application-oriented connection BOX for max. flexibility
- Reduce commissioning time on site

#### Typical applications

- For applications in downlight, Edge lit and Spotlight luminaire



Cable connection



Top view



**Standards**, page 3



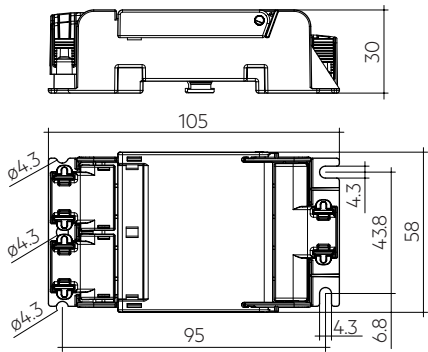
ACU SRL BOX

SR LINECT connection box

Technical data

Rated voltage	500 V
Max. rated current <sup>①</sup>	24 A
Ambient temperature ta	-20 ... +60 °C
Housing material	Polycarbonat, UV stabilized
Dimensions LxWxH	105 x 58 x 30 mm
Type of protection	IP20
Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> )	5 years

① LINECT interface 16 A max.



Meets the LINECT standard

Ordering data

Type	Article number	Packaging bag	Weight per pc.
ACU SRL 3-POL BOX	28003872	10 pc(s).	0.060 kg
ACU SRL 5-POL BOX	28003873	10 pc(s).	0.074 kg

## 1. Standards

EN 60998-1  
EN 60998-2-2  
EN 61984  
EN 60598-1

### 1.1 Glow wire test

according to EN 61347-1 with increased temperature of 850 °C passed.

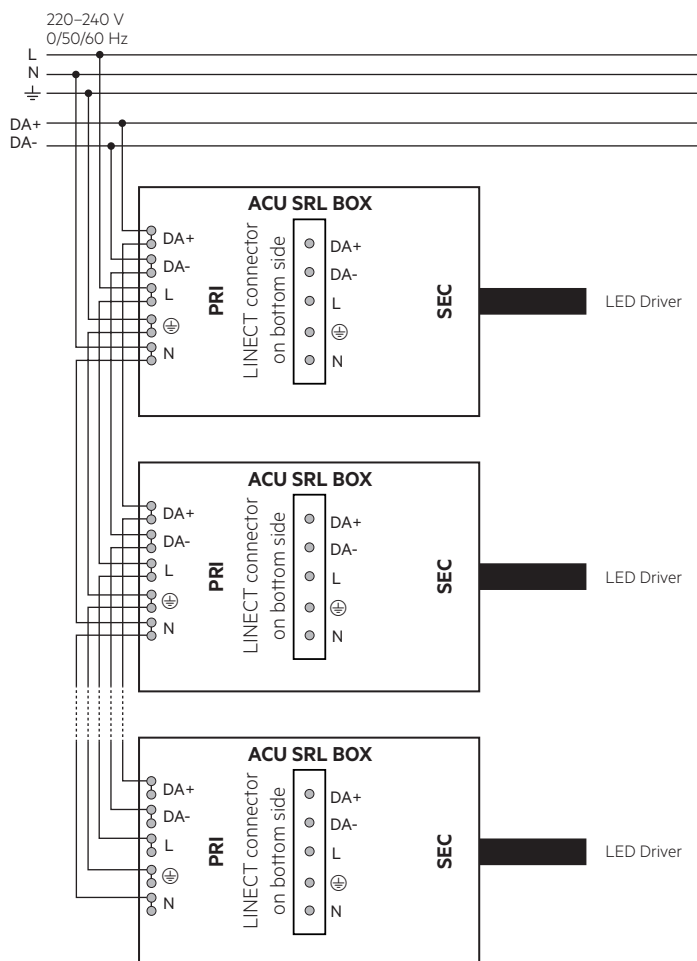
## 2. Common

The SR connection box is used for easy connection of multiple luminaires and LED drivers. It offers the possibility for conventional wiring as well as using the LINECT T-connectors.

## 3. Installation

Installation notes show the 5-pole version.  
The 3-pole version has no DA interface.

### 3.1 Circuit diagram

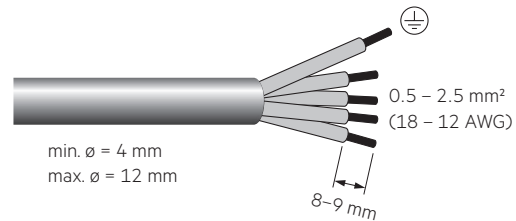


### 3.2 Wiring primary side

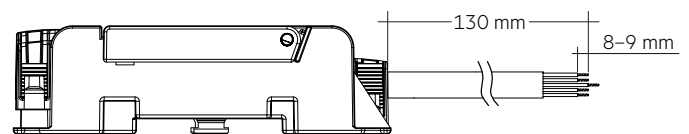
For wiring use stranded wire with ferrules or solid wire from 0.5 to 2.5 mm<sup>2</sup>. Strip 8-9 mm of insulation from the cables to ensure perfect operation of the push terminals.

Use one wire for each terminal connector only.

Use each strain relief channel for one cable only.



### 3.3 Wiring secondary side



5-pole wiring:

Cable secondary (H05VV-F 5x0.75 mm <sup>2</sup> )				
DA+	DA-	L	$\oplus$	N
black	grey	brown	yellow / green	blue

3-pole wiring:

Cable secondary (H05VV-F 3x0.75 mm <sup>2</sup> )		
L	$\oplus$	N
brown	yellow / green	blue

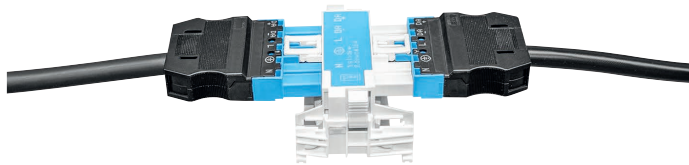
### 3.4 Assembling Instruction ACU SRL 3-POL / 5-POL BOX

Assembling shows WAGO WINSTA lineact system.

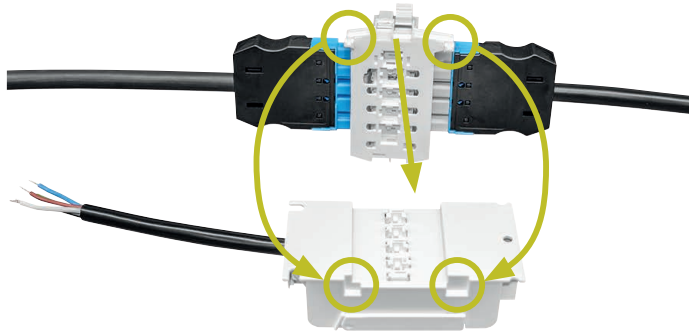
Equal assembling steps for other lineact partners (e.g. Wieland, Ensto).



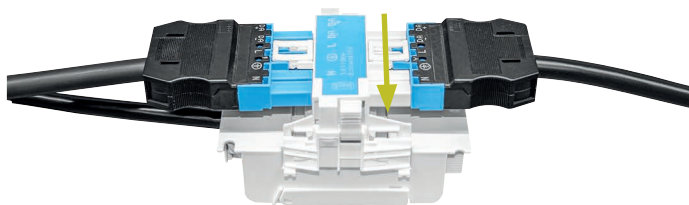
1. Make sure the cables (not included) are pre-assembled.



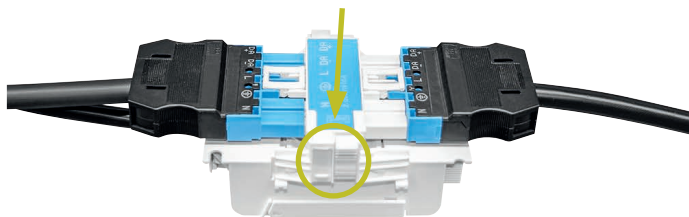
2. Be aware that the single plugs are snapped-in.



3. Bring together the T-connector and ACU SRL BOX.  
Check correct positioning of the square recesses.



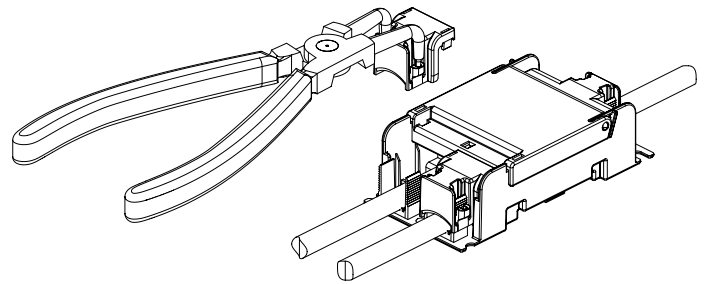
4. Push the pre-assembled T-connector against the direction of the square recesses.



5. Press down T-connector till it snapped in.

For disassembling do it in reversed order (make sure to release the T-connector in upper position before moving to snap out).

### 3.5 Releasing the strain relief



1. Insert release tool device into cut-out,  
e.g. KNIPEX 46 21 A21 Seeger ring pliers or screwdriver
2. Remove strain relief element

## 4. Miscellaneous

### 4.1 Disposal of equipment



Return old devices in accordance with the WEEE directive to suitable recycling facilities.

### 4.2 Conditions of use and storage

Humidity: 5 % up to max. 85 % operation, 90 % storage not condensed

Storage temperature: -25 °C up to max. +60 °C

The devices have to be acclimatised to the specified temperature range (ta) before they can be operated.

### 4.3 Additional information

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

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