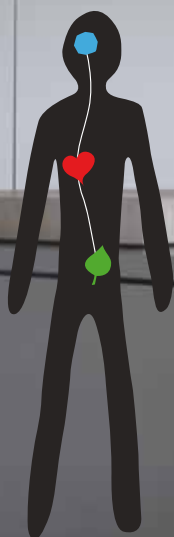


**niko**  
Illuminating ideas.

# General catalogue

2011 - 2012

Export



**Niko Home Control**

SMOUTS ARCHITECTEN



# Transformers

A whole range of transformers with various primary and secondary connection possibilities for a quick and handy installation.

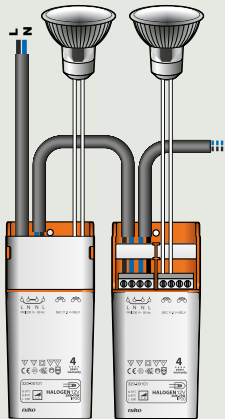
## QUICK, USER-FRIENDLY INSTALLATION

- 1/3 time-saving thanks to the click cap
- 2 spotlights can be directly connected thanks to 2 secondary outputs
- easy to interconnect thanks to the 2 primary inputs
- even more time-saving due to transformers equipped with a halogen lamp base, euro plug, GST (Wieland) connection or a Q distribution block



## 4 YEAR WARRANTY

- for all electronic and electromagnetic transformers
- per product
- no minimum order quantities or registration needed



## COMPACT

- installations in small spaces or in low ceilings are no problem
- all transformers can fit through a hole diameter of 55mm, some can even fit through a hole diameter of 38mm
- flush-mounting height = min. 100mm
- IP65 transformers available for installation in damp rooms, such as bathrooms or kitchens
- modern design in combination with orange which is the hallmark of warm, cosy halogen light
- limited number of reference numbers for ease of ordering and stocking

# Transformers

## Niko continues to optimise its range

A whole range of transformers with various primary and secondary connection possibilities for a quick and handy installation.

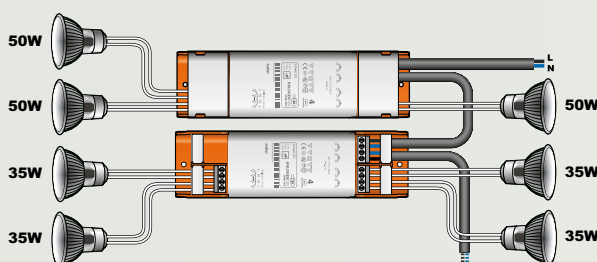
### COMPACT ELECTRONIC TRANSFORMERS

- even more compact than before
- a hole diameter of 38mm is sufficient
- side wiring means installation in tight spaces without problems (e.g. veranda profiles)
- universally dimmable
- 4 year warranty

New reference	Description
<b>320-00121</b>	Compact 70W electronic transformer, PRI and SEC wires
<b>320-00122</b>	Compact 105W electronic transformer, PRI and SEC wires

### 150W TRANSFORMERS

- 1/3 time-saving thanks to the click cap
- ease of installation
  - 150W: 4 spotlights can be connected directly to the transformer
  - interconnection possible (up to 8x)



- universally dimmable
- 4 year warranty
- for various wire types: extra time-saving due to transformers equipped with a euro plug, GST (Wieland) connection or a Q distribution block

New reference	Description	Old reference
<b>320-00123</b>	Electronic transformer, 150W, PRI and SEC terminals	320-00105
<b>320-00124</b>	Electronic transformer, 150W, PRI and SEC wires	320-00108
<b>320-00125</b>	Electronic transformer, 150W, PRI plug and SEC wire	320-00113
<b>320-00126</b>	Electronic transformer, 150W, PRI plug and SEC Q distribution block	320-00116
<b>320-00127</b>	Electronic transformer, 150W, PRI GST plug and SEC Q distribution block	320-00120



# Choose the correct transformer

The selected halogen spotlight has a terminal connection and is therefore best used with a Niko transformer with a secondary wire output to allow for a quick connection.



halogen spotlight with terminal connection

Niko application	Ref.	Power consumption	PR1 connection
flush-mounted in fitted ceilings (diameter 55mm)	320-00102	70W	2 pair of terminals
	320-00124	150W	double insulated mains lead
flush-mounted (diameter 38mm)	320-00121	70W	double insulated mains lead
	320-00122	105W	double insulated mains lead
IP65 transformers for damp rooms and outdoor applications	320-00106	70W	rubber cable
	320-00107	105W	rubber cable

The selected halogen spotlight has a wire output shorter than 20cm and is therefore best used with a Niko transformer with a secondary wire output to allow for a quick connection.



halogen spotlight with wire output shorter than 20cm

Niko application	Ref.	Power consumption	PR1 connection
flush-mounted in fitted ceilings (diameter 55mm)	320-00102	70W	2 pair of terminals
	320-00124	150W	double insulated mains lead
flush-mounted (diameter 38mm)	320-00121	70W	double insulated mains lead
	320-00122	105W	double insulated mains lead
IP65 transformers for damp rooms and outdoor applications	320-00106	70W	rubber cable
	320-00107	105W	rubber cable

The selected halogen spotlight has no connection possibilities and can therefore be very quickly combined with a Niko transformer with a lamp holder. This ensures a very rapid installation.



halogen spotlight without connection possibilities

Niko application	Ref.	Power consumption	PR1 connection
flush-mounted in fitted ceilings (diameter 55mm)	320-00103	70W	2 pair of terminals

The chosen halogen spotlight has a wire output with a minimum of 20cm and can therefore be quickly combined with a Niko transformer with secondary terminal outputs to allow for a quick connection.



halogen spotlight with a wire output of a minimum of 20cm

Niko application	Ref.	Power consumption	PR1 connection
flush-mounted in fitted ceilings (diameter 55mm)	320-00101	70W	2 pair of terminals
	320-00104	105W	2 pair of terminals
	320-00123	150W	2 pair of terminals

# Plug-and-play extensions

Ideal range of transformers for plug-and-play applications, such as events, stand and furniture constructors ...



## Plug-and-play on the primary side with euro plug

Niko application	Ref.	Power consumption	SEC connection
flush-mounted in false ceilings (diameter 55mm)	320-00111	70W	silicon wire (170°)
	320-00112	105W	silicon wire (170°)
	320-00125	150W	silicon wire (170°)

← euro plug for quick primary connection



## Plug-and-play on the primary side with GST

Niko application	Ref.	Power consumption	SEC connection
flush-mounted in false ceilings (diameter 55mm)	320-00117	70W	silicon wire (170°)
	320-00118	70W	teflon wire with spotlight connection

← GST (Wieland) plug for rapid primary connection as well as quick interconnection possibilities



## Plug-and-play on the primary and secondary sides

Niko application	Ref.	Power consumption	SEC connection
flush-mounted in false ceilings (diameter 55mm)	320-00114	70W	Q distribution block
	320-00115	105W	Q distribution block
	320-00126	150W	Q distribution block

← primary euro plug and a secondary Q distribution block for quick plug-and-play installation, both primary and secondary



## Plug-and-play on the primary and secondary sides

Niko application	Ref.	Power consumption	SEC connection
flush-mounted in false ceilings (diameter 55mm)	320-00119	105W	Q distribution block
	320-00127	150W	Q distribution block

← primary GST (Wieland) plug and a secondary Q distribution block for rapid plug-and-play installation, both primary and secondary





### Electronic transformer 70W, terminal PRI and SEC

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. Strain relief is ensured with the easy-to-install click cap. Two loads can be easily connected to the 2 secondary outputs, and the 2 primary inputs make interconnection easy (max. 8 times). CE marking: CEBEC and ENEC approved.

**Replaces EREA article: Lasso 70K, Ereatronic 60i/L3**

- dimensions: H116mm x W52mm x D32mm
- weight: 105g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- 4-fold primary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V primary: 230V - 50Hz
- 4-fold secondary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00101

Pack: 10



### Electronic transformer 70W, terminal PRI and wire SEC

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. Strain relief is ensured with the easy-to-install click cap. On the secondary side, the transformer is equipped with a Teflon wire for direct connection with a spot light. The 2 primary inputs with screw terminals make interconnection easy (max. 8 times). CE marking: CEBEC and ENEC approved.

**Replaces EREA article: Lasso 70D**

- dimensions: H116mm x W52mm x D32mm
- weight: 105g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- 4-fold primary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V primary: 230V - 50Hz
- secondary connection: Teflon wire (200°C) 2 x 0.75mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00102

Pack: 10



### Electronic transformer 70W, terminal PRI and spot light connection SEC

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. Strain relief is ensured with the easy-to-install click cap. On the secondary side, the transformer is equipped with a Teflon wire with a lamp holder (G4,0-G6,35) to which a halogen lamp can be directly connected. The 2 primary inputs with screw terminals make interconnection easy (max. 8 times). CE marking: CEBEC and ENEC approved.

**Replaces EREA article: Lasso 70D /SPOT**

- dimensions: H116mm x W52mm x D32mm
- weight: 110g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- 4-fold primary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V primary: 230V - 50Hz
- secondary connection: Teflon wire (200°C) - 2 x 0.75mm<sup>2</sup> and G4,0-G6,35-lamp holder; length: 50cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00103

Pack: 10

**Electronic transformer 105W, terminal PRI and SEC**

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. Strain relief is ensured with the easy-to-install click cap. The transformer is equipped with screw terminals on both the primary and the secondary sides. Two loads can be connected to the 2 secondary outputs. The 2 primary inputs make interconnection easy (max. 8 times). CE marking; CEBC and ENEC approved.

**Replaces EREA article: Lasso I05K; Ereatronic I05i/L3**

- dimensions: H116mm x W52mm x D32mm
- weight: 125g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- 4-fold primary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V primary: 230V - 50Hz
- 4-fold secondary terminal connection: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> with screw terminal
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 45°C; temperature cover: 85°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00104**

Pack: 10

**Electronic transformer 150W, terminal PRI and SEC**

This universal dimmable electronic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. Strain relief is ensured with the easy-to-install click cap. The transformer is equipped with screw terminals on both the primary and the secondary sides. Up to four loads (4x35W or 3x50W) can be easily connected to the 4 secondary outputs. The 2 primary inputs make interconnection easy (max. 8 times). CE marking; CEBC and ENEC approved.

**Replaces Niko article: 320-00105****Replaces EREA article: Ereatronic I50i/L3**

- dimensions: H184mm x W52mm x D32mm
- weight: 220g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-150W
- 4-fold primary terminal connection: 1x2.5mm<sup>2</sup> or 2x1.5mm<sup>2</sup> with screw terminal
- V primary: 230V ~ ±10%; 50-60Hz
- 8-fold secondary terminal connection: 1x2.5mm<sup>2</sup> or 2x1.5mm<sup>2</sup> with screw terminal
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 50°C; Tc 85°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00123**

Pack: 10

**Electronic transformer 70W, wire PRI and SEC, IP65**

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The transformer has an IP65 protection degree, is dustfree and jetproof. It is exceptionally suited for installation in damp rooms such as bathrooms and kitchens. The cables are fixed with resin. On the primary side, the transformer is equipped with a rubber cable that can be connected to a mini-connection box 320-00210. This guarantees a quick and correct connection. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBC and ENEC approved.

**Replaces EREA article: Ereatronic 60i**

- dimensions: H86mm x W52mm x D32mm
- weight: 140g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- primary connection: rubber cable 2 x 1mm<sup>2</sup>; length: 50cm
- V primary: 230V - 50Hz
- secondary connection: silicone wire (170°C) 2 x 0.75mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP65
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00106**

Pack: 5





#### Electronic transformer I05W, wire PRI and SEC, IP65

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. It has an IP65 protection degree, is dustfree and jetproof. The transformer is exceptionally suited for installation in damp rooms such as bathrooms and kitchens. The cables are fixed with resin. On the primary side, the transformer is equipped with a rubber cable. This cable can be connected to a mini-connection box 320-00210. This guarantees a quick and correct connection. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBEC and ENEC approved.

**Replaces EREA article: Ereatronic I05i**

- dimensions: H86mm x W52mm x D32mm
- weight: 200g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- primary connection: rubber cable 2 x 1mm<sup>2</sup>; length: 50cm
- V primary: 230V - 50Hz
- secondary connection: silicone wire (170°C) - 2 x 1mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP65
- filament test 850°C
- ambient temperature: 45°C; temperature cover: 85°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00107

Pack: 5



#### Electronic transformer I50W, wire PRI and SEC, IP65

This universal dimmable electronic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer has an IP65 protection degree, is dustfree and jetproof. It is exceptionally suitable for installation in damp rooms such as bathrooms and kitchens. The cables are fixed with resin. On the primary side, the transformer is equipped with a rubber cable. This cable can be connected to a mini-connection box 320-00210, which guarantees a quick and correct connection. The silicone wire on the secondary side is directly connected with a spot light. CE marking and ENEC approved.

**Replaces Niko article: 320-00108**

**Replaces EREA article: Ereatronic I50i**

- dimensions: H113mm x W52mm x D32mm
- weight: 320g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-150W
- primary connection: rubber cable - 2x1mm<sup>2</sup>; length: 50cm
- V primary: 230V ~ ± 10%; 50-60Hz
- secondary connection: silicone wire (170°C) - 2x1.5mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP65
- filament test 850°C
- ambient temperature: 40°C; Tc: 80°C
- class II devices: SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00124

Pack: 10



#### Compact electronic transformer 70W, wire PRI and SEC

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. Both wires are on the side of the transformer for an easy installation. This transformer is very compact and therefore highly suitable for installations in small spaces. CE marking and ENEC approved.

- dimensions: 32x77x22 (HxWxD)
- weight: 80g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- primary connection: double insulated mains lead with cord end terminals (2x0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V ~ ± 10%, 50-60Hz
- secondary connection: silicone wire (170°C) (2x0.75mm<sup>2</sup>; length: 30cm)
- secondary voltage: 11.5V, 35kHz
- min. diameter: 38mm
- IP20
- filament test 850°C
- ambient temperature: 50°C; Tc: 80°C
- class II devices, SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00121

Pack: 10



**Compact electronic transformer 105W, wire PRI and SEC**

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V – SELV). On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. Both wires are on the side of the transformer for an easy installation. This transformer is very compact and therefore highly suitable for installations in small spaces. CE marking and ENEC approved.

- dimensions: 32x103x29 (HxWxD)
- weight: 125g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- primary connection: double insulated mains lead with cord end terminals (2x0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V ~ ± 10%, 50-60Hz
- secondary connection: silicone wire (170°C) (2x1mm<sup>2</sup>; length: 30cm)
- secondary voltage: 11.5V, 35kHz
- min. diameter: 38mm
- IP20
- filament test 850°C
- ambient temperature: 45°C; Tc: 75°C
- class II devices, SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00122**

Pack: 10

**Compact cast resin electronic transformer 70W, PRI and SEC wires**

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and therefore highly suitable for installations in small spaces. CE marking and ENEC approved.

**Replaces EREA article: Ereatronic 60i.**

- dimensions: 55 x 48.5 x 28.5mm (HXWxD)
- weight: 140g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20 – 70W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 25cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 55mm
- IP20
- ambient temperature: 50°C; Tc 80°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00131**

Pack: 10

**Compact cast resin electronic transformer 105W, PRI and SEC wires**

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and therefore highly suitable for installations in small spaces. CE marking and ENEC approved.

**Replaces EREA article: Ereatronic 105i.**

- dimensions: 80 x 48.5 x 28.5mm (HXWxD)
- weight: 200g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35 – 105W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 30cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 55mm
- IP20
- ambient temperature: 50°C; Tc 80°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and overheating
- warranty: 4 years

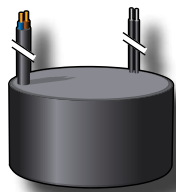
**Complete unit**

Complete unit

**320-00130**

Pack: 10





### Compact cast resin electronic transformer 70W, PRI and SEC wires, round

This universal dimmable round electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and, thanks to its round shape, can be easily concealed when working with spotlights. CE marking and ENEC approved.

**Replaces EREA article: Ereatronic 60i/MC.**

- dimensions: 29 x 52.5mm (HxD)
- weight: 125g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20 – 70W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 20cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 53mm
- IP20
- ambient temperature: 50°C; Tc 80°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and over-heating
- warranty: 4 years

#### Complete unit

Complete unit

320-00132

Pack: 10



### Compact cast resin electronic transformer 70W, PRI and SEC wires, flat

This universal dimmable flat electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and, thanks to its shape, is highly suitable for installation in small spaces. CE marking.

**Replaces EREA article: Ereatronic 60i/P.**

- dimensions: 29 x 103 x 21.5mm (HXWXD)
- weight: 120g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20 – 70W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 30cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 38mm
- IP20
- ambient temperature: 50°C; Tc 80°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and over-heating
- warranty: 4 years

#### Complete unit

Complete unit

320-00133

Pack: 10



### Compact cast resin electronic transformer 105W, PRI and SEC wires, flat

This universal dimmable flat electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and, thanks to its shape, is highly suitable for installation in small spaces. CE marking.

**Replaces EREA article: Ereatronic 105i/P.**

- dimensions: 29 x 103 x 21.5mm (HXWXD)
- weight: 140g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35 – 105W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 30cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 38mm
- IP20
- ambient temperature: 45°C; Tc 85°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and over-heating
- warranty: 4 years

#### Complete unit

Complete unit

320-00134

Pack: 10

**Compact cast resin electronic transformer 70W, PRI and SEC wires, cylindrical**

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V – SELV). The cables are fixed by means of resin. On the primary side, the transformer is equipped with a double insulated wire. This wire can be connected to a mini connection box (320-00210) which guarantees a quick and correct connection. The silicon wire on the secondary side can be directly connected to a spotlight. This transformer is very compact and, thanks to its shape, is highly suitable for installation in small spaces. CE marking and ENEC approved.

**Replaces EREA article: Ereatronic 60i/T.**

- dimensions: 90 x 39.5 x 29.5mm (HXWXD)
- weight: 150g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20 – 70W
- primary connection: double insulated mains lead with cord end terminals (2 x 0.75mm<sup>2</sup>; length: 30cm)
- primary voltage: 230V AC ± 10%, 50-60Hz
- secondary connection: silicon wire (170°C) (2 x 0.75mm<sup>2</sup>; length: 25cm)
- secondary voltage: 11.5V, 35kHz
- minimum diameter: 38mm
- IP20
- ambient temperature: 50°C; Tc 80°C
- class II devices, SELV (safety extra-low voltage)
- suitable for supplying power to class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal combustible surfaces
- self-resetting, built-in protection against short-circuit, overload and over-heating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00135**

Pack: 10

**Electronic transformer 70W, plug PRI and wire SEC**

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBEC and ENEC approved.

**Replaces EREA article: Ereatronic 60i/ST**

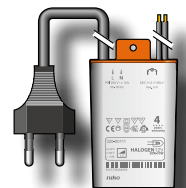
- dimensions: H86mm x W52mm x D32mm
- weight: 220g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- primary connection: double insulated mains lead with Euro plug - 2 x 0.75mm<sup>2</sup>; length: 2m
- V primary: 230V - 50Hz
- secondary connection: silicone wire (170°C) 2 x 0.75mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP40
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

**320-00111**

Pack: 5

**Electronic transformer 105W, plug PRI and wire SEC**

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBEC and ENEC approved.

**Replaces EREA article: Ereatronic 105i/ST**

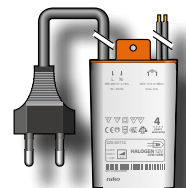
- dimensions: H86mm x W52mm x D32mm
- weight: 280g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- primary connection: double insulated mains lead with Euro plug - 2 x 0.75mm<sup>2</sup>; length: 2m
- V primary: 230V - 50Hz
- secondary connection: silicone wire (170°C) - 2 x 1mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP40
- filament test 850°C
- ambient temperature: 45°C; temperature cover: 85°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

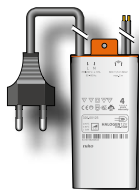
**Complete unit**

Complete unit

**320-00112**

Pack: 5





#### Electronic transformer 150W, plug PRI and wire SEC

This universal dimmable electronic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The silicone wire on the secondary side is directly connected with a spot light. CE marking and ENEC approved.

**Replaces Niko article: 320-00113**

**Replaces EREA article: Ereatronic 150i/ST**

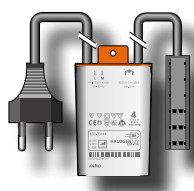
- dimensions: H113mm x W52mm x D32mm
- weight: 320g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-150W
- primary connection: double insulated mains lead with Euro plug - 2x0.75mm<sup>2</sup>; length: 2m
- V primary: 230V ~ ± 10%; 50-60Hz
- secondary connection: silicone wire (170°C) - 2x1.5mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP40
- filament test 850°C
- ambient temperature: 40°C; Tc 80°C
- class II devices: SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00125

Pack: 10



#### Electronic transformer 70W, plug PRI and Q distribution block SEC

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The Q-distribution block plug on the secondary side ensures quick, multiple distribution. The accompanying cords (320-00206 or 320-00207 or 320-00208) must be ordered separately. CE marking; CEBC and ENEC approved.

**Replaces EREA article: Tron 60i/ST/Q3**

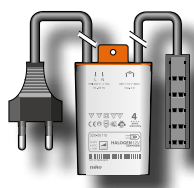
- dimensions: H86mm x W52mm x D32mm
- weight: 220g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- primary connection: double insulated mains lead with Euro plug - 2 x 0.75mm<sup>2</sup>; length: 2m
- V primary: 230V - 50Hz
- secondary connection: Q-distribution block - 6 outputs; length: 20cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 50°C; temperature cover: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00114

Pack: 5



#### Electronic transformer 105W, plug PRI and Q distribution block SEC

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The Q-distribution block plug on the secondary side ensures quick, multiple distribution. The accompanying cords (320-00206 or 320-00207 or 320-00208) must be ordered separately. CE marking; CEBC and ENEC approved.

**Replaces EREA article: Tron 105i/ST/Q5**

- dimensions: H86mm x W52mm x D32mm
- weight: 280g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- primary connection: double insulated mains lead with Euro plug - 2 x 0.75mm<sup>2</sup>; length: 2m
- V primary: 230V - 50Hz
- secondary connection: Q-distribution block - 6 outputs; length: 20cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 45°C; temperature cover: 85°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00115

Pack: 5

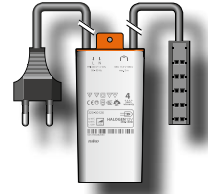
**Electronic transformer 150W, plug PRI and Q distribution block SEC**

This universal dimmable electronic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). Thanks to the Euro plug, this transformer can be very easily connected to a socket outlet. The Q-distribution block on the secondary side ensures quick, multiple distribution. The accompanying cords (320-00206 or 320-00207 or 320-00208) must be ordered separately. CE marking and ENEC approved.

**Replaces Niko article: 320-00116**

**Replaces EREA article: Tron150i/ST/Q3; Tron150i/ST/Q7**

- dimensions: H113mm x W52mm x D32mm
- weight: 320g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-150W
- primary connection: double insulated mains lead with Euro plug - 2x0.75mm<sup>2</sup>; length: 2m
- V primary: 230V ~ ±10%; 50-60Hz
- secondary connection: Q-distribution block - 6 outputs; length: 20cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP40
- filament test 850°C
- ambient temperature: 40°C; Tc 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

320-00126

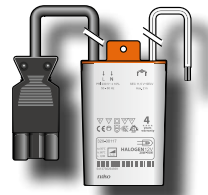
Pack: 10

**Electronic transformer 70W, wire PRI and SEC, IP66**

This universal dimmable electronic transformer (70W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. On the primary side, the transformer is equipped with a GST (Wieland) connection. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBC and ENEC approved.

**Replaces EREA article: Tron 60i/GST**

- dimensions: H86mm x W52mm x D32mm
- weight: 230g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 20-70W
- primary connection: double insulated round mains lead with GST connection (Wieland GST18i3); length: 1m
- V primary: 230V - 50Hz
- secondary connection: silicone wire (170°C) 2 x 0.75mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP40
- filament test 850°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

320-00117

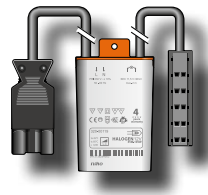
Pack: 5

**Electronic transformer 105W, GST plug PRI and Q distribution block SEC**

This universal dimmable electronic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). This transformer is very compact and therefore very suitable for connection in small spaces. The cables are fixed with resin. On the primary side, the transformer is equipped with a GST (Wieland) connection. The Q-distribution block plug on the secondary side ensures quick, multiple distribution. The accompanying cords (320-00206 or 320-00207 or 320-00208) must be ordered separately. CE marking; CEBC and ENEC approved.

**Replaces EREA article: Tron 105i/GST/Q5**

- dimensions: H86mm x W52mm x D32mm
- weight: 280g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-105W
- primary connection: double insulated round mains lead with GST connection (Wieland GST18i3); length: 1m
- V primary: 230V - 50Hz
- secondary connection: Q-distribution block - 6 outputs; length: 20cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

**Complete unit**

Complete unit

320-00119

Pack: 5



### Electronic transformer 150W, GST plug PRI and Q distribution block SEC

This universal dimmable electronic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with a GST (Wieland) connection. The Q-distribution block on the secondary side ensures quick, multiple distribution. The accompanying cords (320-00206 or 320-00207 or 320-00208) must be ordered separately. CE marking and ENEC approved.

**Replaces Niko article: 320-00120**

**Replaces EREA article: Tron 150i/GST/Q3**

- dimensions: H113mm x W52mm x D32mm
- weight: 320g
- dimmable with phase control, reverse phase control and universal dimmers
- halogen lamps: 35-150W
- primary connection: double insulated mains lead with GST connection (Wieland GST18i3); length: 1m
- V primary: 230V ~ - ± 10%; 50-60Hz
- secondary connection: Q-distribution block - 6 outputs; length: 20cm
- V secondary: 11.5V - 35kHz
- min. diameter: 55mm
- mounting height in false ceiling: min. 100mm
- protection degree: IP20
- filament test 850°C
- ambient temperature: 40°C; Tc: 80°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- suitable for normal non-flammable surfaces
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit **320-00127** Pack: 10



### Mini connection box with terminals (3x6mm<sup>2</sup>)

This mini-connection box is used as an accessory with wired electronic transformers, such as 320-00106, 320-00107, 320-00108, 320-00109 and 320-00110. By combining the transformer with this connection box, several transformers can be quickly and easily connected, and power supply voltages can be interconnected. Complies with IEC 60998-2-5.

**Replaces EREA article: Junction Box/K**

- dimensions: H22m x W85mm x D50mm
- weight: 38g
- screw terminals: 3 x 6mm<sup>2</sup>
- wire conduit: 2 x 12mm - 2 x 6mm
- min. diameter: 55mm
- protection degree: IP20

#### Complete unit

Complete unit **320-00210** Pack: 25



### Double insulated, flat PVC cable 1.5m

Double insulated, flat PVC cable; length: 1.5m. Equipped on one side with a Q-distribution block plug.

**Replaces EREA article: AMP-cord 2m**

#### Complete unit

Complete unit **320-00206** Pack: 25



### With silicone insulated 'twin' wire (170°), 1.5m

Silicone insulated "Twin" cable (170°C); length: 1.5m. Equipped on one side with a Q-distribution block plug.

**Replaces EREA article: AMP-silcord 1m**

#### Complete unit

Complete unit **320-00207** Pack: 25



### With Teflon insulated wire with halogen lamp holder (G4.0-6.35), 1.5m

Teflon insulated cable; length: 1.5m. Equipped on one side with a Q distribution block plug and on the other side with a halogen lamp holder G4,0-6.35.

**Replaces EREA article: Quick-Fit 1m**

#### Complete unit

Complete unit **320-00208** Pack: 25



**Filter**

This filter can be connected in series with a rotary dimmer for inductive loads to prevent humming.

**Replaces EREA article: E I2 Z 2I**

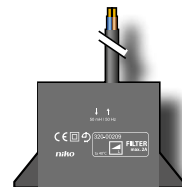
- dimensions: H58mm x W72mm x D44mm
- weight: 400g
- equipped with screw terminal 2.5mm<sup>2</sup>

**Complete unit**

Complete unit

**320-00209**

Pack: 4





### Electromagnetic transformer 50W with wire output, IP40

This electromagnetic transformer (50W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with a double-insulated mains lead with cord end terminals. This cable can be connected to a mini-connection box 320-00210. This guarantees a quick and correct connection. The silicone wire on the secondary side is directly connected with a spot light. CE marking; CEBC and ENEC approved. Complies with the EN 61558-2-6 safety standard.

#### Replaces EREA article: UNO, UNO/MM

- dimensions: H45mm x W76mm x D59mm
- weight: 750g
- dimmable with phase control and universal dimmers
- halogen lamps: 50W
- primary connection: double insulated mains lead with cord end terminals 2 x 0.75mm<sup>2</sup>; length: 30cm
- V primary: 230V - 50Hz
- secondary connection: Teflon wire (170°C) 2 x 0.75mm<sup>2</sup>; length: 30cm
- V secondary: 11.5V
- min. diameter: 63.5mm
- protection degree: IP40
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- built-in thermal protection
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00001

Pack: 10



### Electromagnetic transformer 50W with terminal connections

This electromagnetic transformer (50W) is used for the connection of low-voltage halogen lamps (12V - SELV). Both the primary and the secondary sides of the transformer are equipped with 2 screw terminals for wire with a diameter of 6mm<sup>2</sup>. CE marking; CEBC and ENEC approved.

#### Replaces EREA article: E12 SC 50 SA, E12 SC 50 SA/240, E12 SC 50 SAM, E12 SC50 SAS, PRIMO

- dimensions: H36mm x W182mm x D41mm
- weight: 1kg
- dimmable with phase control and universal dimmers
- halogen lamps: 50W
- primary connection: 2 screw terminals 6mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 2 screw terminals 6mm<sup>2</sup>
- V secondary: 11.5V
- min. diameter: 55mm
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- suitable for flush-mounting in furniture
- built-in thermal protection
- self-restoring, built-in protection against short-circuiting, overloading and overheating
- warranty: 4 years

#### Complete unit

Complete unit

320-00002

Pack: 10



### Short circuit-resistant electromagnetic block transformer 105W (terminal connections)

The short circuit-resistant electromagnetic transformer (105W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer is equipped with a built-in, resettable protection. On the primary side, the transformer is equipped with 2 screw terminals and on the secondary side with 4 screw terminals for wire with a diameter of 4mm<sup>2</sup>. Incl. attachment brackets. CE marking. Complies with the EN 61558-2-6 safety standard.

#### Replaces EREA article: E212 SC 100 SKA, E212 SC 100 SK, E212 SC 100 SKF

- dimensions: H119mm x W85.5 x D72mm
- weight: 1.9kg
- dimmable with phase control and universal dimmers
- halogen lamps: 105W
- primary connection: 2 screw terminals 4mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 4 screw terminals 4mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- self-restoring, built-in protection against short-circuiting and overloading
- warranty: 4 years

#### Complete unit

Complete unit

320-00003

Pack: 1



### Short circuit-resistant electromagnetic block transformer 150W (terminal connections)

The short circuit-resistant electromagnetic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer is equipped with a built-in, resettable protection. On the primary and secondary side, the transformer is equipped with 2 screw terminals for wire with a diameter of 4mm<sup>2</sup>. Incl. attachment brackets. CE marking. Complies with the EN 61558-2-6 safety standard.

#### Replaces EREA article: E 12 SC 150 SKA

- dimensions: H133mm x W95 x D80mm
- weight: 2.7kg
- dimmable with phase control and universal dimmers
- halogen lamps: 150W
- primary connection: 2 screw terminals 4mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 2 screw terminals 4mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage), obligatory for class III fixtures
- built-in protection against short-circuiting and overloading, manually self-restoring by pushing on top button
- warranty: 4 years

**Complete unit**

Complete unit

**320-00010**

Pack: 1

**Short circuit-resistant electromagnetic block transformer 200W (terminal connections)**

The short circuit-resistant electromagnetic transformer (200W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer is equipped with a built-in, resettable protection. On the primary and secondary side, the transformer is equipped with 2 screw terminals for wire with a diameter of 4mm<sup>2</sup>. Incl. attachment brackets. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E I2 SC 250 SKA**

- dimensions: H142mm x W107 x D90mm
- weight: 3.7kg
- dimmable with phase control and universal dimmers
- halogen lamps: 200W
- primary connection: 2 screw terminals 4mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 2 screw terminals 4mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage), obligatory for class III fixtures
- built-in protection against short-circuiting and overloading, manually self-restoring by pushing on top button
- warranty: 4 years

**Complete unit**

Complete unit

**320-00011**

Pack: 1

**Short circuit-resistant electromagnetic block transformer 300W (terminal connections)**

The short circuit-resistant electromagnetic transformer (300W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer is equipped with a built-in, resettable protection. On the primary and secondary side, the transformer is equipped with 2 screw terminals for wire with a diameter of 6mm<sup>2</sup>. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E I2 SC 300 SKA**

- dimensions: H160mm x W135 x D115mm
- weight: 6.3kg
- dimmable with phase control and universal dimmers
- halogen lamps: 300W
- primary connection: 2 screw terminals 6mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 2 screw terminals 6mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage), obligatory for class III fixtures
- built-in protection against short-circuiting and overloading, manually self-restoring by pushing on top button
- warranty: 4 years

**Complete unit**

Complete unit

**320-00012**

Pack: 1

**Short circuit-resistant electromagnetic block transformer 400W (terminal connections)**

This short-circuit resistant electromagnetic transformer (400W) is used for the connection of low-voltage halogen lamps (12V - SELV). The transformer is equipped with a built-in retrievable protection. The primary side of the transformer has 2 screw terminals, the secondary side 4 screw terminals for a wire with a diameter of 6mm<sup>2</sup>. The outputs may not be connected in parallel. CE marked. Complies with the safety standard EN61558-2-6.

**Replaces EREA article: E212 SC 400 SKA.**

- dimensions: 190x165x120mm (HxWxD)
- weight: 8.8kg
- dimmable with phase control dimmers and universal dimmers
- halogen lamps: 400W
- primary connection: 2 screw terminals (6mm<sup>2</sup>)
- primary voltage: 230V, 50Hz
- secondary connection: 4 screw terminals (6mm<sup>2</sup>)
- secondary voltage: 11.6V
- IP20
- ambient temperature: 25°C
- class II appliances, SELV (safety extra low voltage), obligatory for class III fittings
- built-in protection against short-circuit and overload, manual retrieval by pressing the button on top
- warranty: 4 years

**Complete unit**

Complete unit

**320-00013**

Pack: 1

**Electromagnetic block transformer 150W (terminal connections)**

This electromagnetic transformer (150W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with 2 screw terminals and on the secondary side with 4 screw terminals for wire with a diameter of 4mm<sup>2</sup>. Incl. attachment brackets. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E212 SC 150 SKG, E212 SC 160 SK, E312 SC 150 SKF**

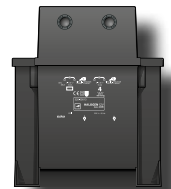
- dimensions: H133mm x W95mm x D80mm
- weight: 2.7kg
- dimmable with phase control and universal dimmers
- halogen lamps: 150W
- primary connection: 2 screw terminals 4mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 4 screw terminals 4mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- warranty: 4 years

**Complete unit**

Complete unit

**320-00004**

Pack: 1





### Electromagnetic block transformer 200W (terminal connections)

This electromagnetic transformer (200W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with 2 screw terminals and on the secondary side with 4 screw terminals for wire with a diameter of 4mm<sup>2</sup>. Incl. attachment brackets. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E212 SC 200 SKG**

- dimensions: H142mm x W107mm x D90mm
- weight: 3.7kg
- dimmable with phase control and universal dimmers
- halogen lamps: 200W
- primary connection: 2 screw terminals 4mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 4 screw terminals 4mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- warranty: 4 years

#### Complete unit

Complete unit

320-00005

Pack: 1



### Electromagnetic block transformer 300W (terminal connections)

This electromagnetic transformer (300W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with 2 screw terminals for wire with a diameter of 6mm<sup>2</sup>; on the secondary side with 4 screw terminals for wire with a diameter of 6mm<sup>2</sup>. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E212 SC 300 SKG, E212 SC 250 SK, E212 SC 300 SKF**

- dimensions: H160mm x W135mm x D115mm
- weight: 6.3kg
- dimmable with phase control and universal dimmers
- halogen lamps: 300W
- primary connection: 2 screw terminals 6mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 4 screw terminals 6mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- warranty: 4 years

#### Complete unit

Complete unit

320-00006

Pack: 1



### Electromagnetic block transformer 400W (terminal connections)

This electromagnetic transformer (400W) is used for the connection of low-voltage halogen lamps (12V - SELV). On the primary side, the transformer is equipped with 2 screw terminals for wire with a diameter of 6mm<sup>2</sup>; on the secondary side with 4 screw terminals for wire with a diameter of 6mm<sup>2</sup>. For safety reasons, this transformer must be connected to a mini-connection box 320-00210. CE marking. Complies with the EN 61558-2-6 safety standard.

**Replaces EREA article: E212 SC 400 SKG, E212 SC 400 SK**

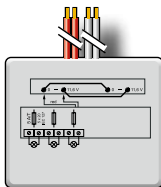
- dimensions: H190mm x W165mm x D120mm
- weight: 8.7kg
- dimmable with phase control and universal dimmers
- halogen lamps: 400W
- primary connection: 2 screw terminals 6mm<sup>2</sup>
- V primary: 230V - 50Hz
- secondary connection: 4 screw terminals 6mm<sup>2</sup>
- V secondary: 11.6V
- protection degree: IP20
- ambient temperature: 25°C
- class II devices; SELV (safety extra low voltage)
- suitable for the power supply of class III fixtures
- warranty: 4 years

#### Complete unit

Complete unit

320-00007

Pack: 1



### Fuse box for block transformer 150W

The fuse box can be used for secondary protection in combination with a 150W block transformer (320-00004).

**Replaces EREA article: FB 3/1250**

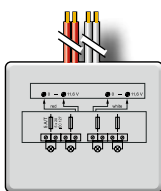
- input: 1 x 11.6V; length: 0.4m
- output: 3 x max. 50W/12V
- protection: 3 x 5 A/T

#### Complete unit

Complete unit

320-00201

Pack: 5



### Fuse box for block transformer 200W

The fuse box can be used for secondary protection in combination with a 200W block transformer (320-00005).

**Replaces EREA article: FB 4/1250**

- input: 2 x 11.6V; length: 0.4m
- output: 4 x max. 50W/12V
- protection: 4 x 5 A/T

#### Complete unit

Complete unit

320-00202

Pack: 5

**Fuse box for block transformer 300W**

The fuse box can be used for secondary protection in combination with a 300W block transformer (320-00006).

**Replaces EREA article: FB 6/1250**

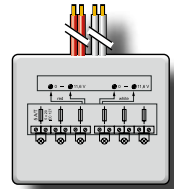
- input: 2 x 11.6V; length: 0.4m
- output: 6 x max. 50W/12V
- protection: 6 x 5 A/T

**Complete unit**

Complete unit

**320-00203**

Pack: 5









**Electronic transformers**

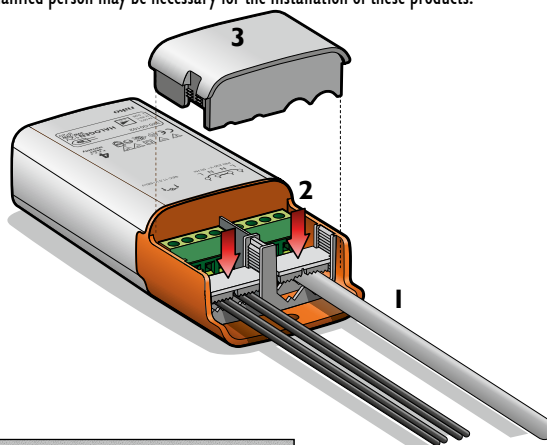
Reference	Description	Min. W	Max. W	T <sub>a</sub> : -15...	T <sub>c</sub>	Primary current
320-00101	70W, PRI and SEC terminals	20W	70W	+50°C	80°C	300mA
320-00102	70W, PRI terminal and SEC wire	20W	70W	+50°C	80°C	300mA
320-00103	70W, PRI terminal and SEC spot connection	20W	70W	+50°C	80°C	300mA
320-00104	105W, PRI and SEC terminals	35W	105W	+45°C	85°C	450mA
320-00106	70W, PRI and SEC wires, IP65	20W	70W	+50°C	80°C	300mA
320-00107	105W, PRI and SEC wires, IP65	35W	105W	+45°C	85°C	450mA
320-00111	70W, PRI plug and SEC wire	20W	70W	+50°C	80°C	300mA
320-00112	105W, PRI plug and SEC wire	35W	105W	+45°C	85°C	450mA
320-00114	70W, PRI plug and SEC Q-block	20W	70W	+50°C	80°C	300mA
320-00115	105W, PRI plug and SEC Q-block	35W	105W	+45°C	85°C	450mA
320-00117	70W, PRI GST plug and SEC wire	20W	70W	+50°C	80°C	300mA
320-00119	105W, PRI GST plug and SEC Q-block	35W	105W	+45°C	85°C	450mA
320-00121	70W, compact, PRI and SEC wires	20W	70W	+50°C	80°C	300mA
320-00122	105W, compact, PRI and SEC wires	35W	105W	+45°C	75°C	450mA
320-00123	150W, PRI and SEC terminals	35W	150W	+50°C	85°C	640mA
320-00124	150W, PRI and SEC wires	35W	150W	+40°C	80°C	640mA
320-00125	150W, PRI plug and SEC wire	35W	150W	+40°C	80°C	640mA
320-00126	150W, PRI plug and SEC Q-block	35W	150W	+40°C	80°C	640mA
320-00127	150W, PRI GST plug and SEC Q-block	35W	150W	+40°C	80°C	640mA
320-00130	105W, PRI and SEC wires	35W	105W	+45°C	85°C	450mA
320-00131	70W, PRI and SEC wires	20W	70W	+50°C	80°C	300mA
320-00132	70W, round, PRI and SEC wires	20W	70W	+50°C	80°C	300mA
320-00133	70W, flat, PRI and SEC wires	20W	70W	+50°C	80°C	300mA
320-00134	105W, flat, PRI and SEC wires	35W	105W	+45°C	85°C	450mA
320-00135	70W, cylindrical, PRI and SEC wires	20W	70W	+50°C	80°C	300mA

**Dimmability:** All transformers are dimmable with phase control , reverse phase control  and universal dimmers .

**MOUNTING**

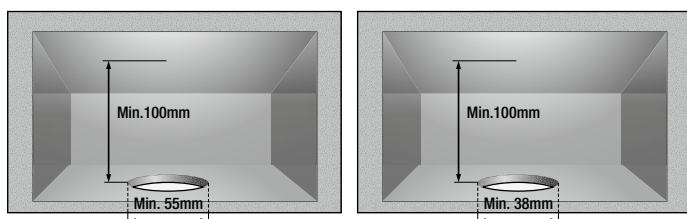
- : Products are for indoor use only, except 320-00106, 320-00107 and 320-00124.
- See figure 1 for the mounting of transformers 320-00101, 320-00102, 320-00103, 320-00104 and 320-00123.
- To flush mount transformers, an opening with a minimum diameter of 55mm and a recess depth of at least 100mm is needed (fig. 2), except for 320-00121, 320-00122, 320-00133, 320-00134 and 320-00135.
- To flush mount the transformers 320-00121, 320-00122, 320-00133, 320-00134 and 320-00135, an opening with a minimum diameter of 38mm and a flush-mounting height of at least 100mm is needed (fig. 2).
- Observe the minimum distances around the transformer and the minimum distance to the lamp (fig. 3).
- Optimal heat dissipation is required to guarantee proper operation (fig. 4).
- **ATTENTION:** : The electronic transformers should not be covered with thermally insulating materials.
- The cords and wires of the electronic transformers may not be replaced. If a cord or wire is damaged, the device should be discarded.
- Limit the length of the output wires to 2 metres (fig. 5).
- Do not connect the output wires of two electronic transformers in parallel (fig. 6).
- Keep the power supply wires (PRI) and the output wires (SEC) separate (fig. 7).
- Ensure that the L and N connections are correctly connected to transformers with double input terminals (fig. 8).
- The use of 1.5mm<sup>2</sup> and 2.5mm<sup>2</sup> wires is allowed under certain conditions.
- If the interconnection function of transformers 320-00101, 320-00102, 320-00103, 320-00104 and 320-00123 is used, the circuit should be protected by a 10A fuse. No socket outlets may be incorporated into these circuits.
- When flush mounting, take into account the allowable T<sub>c</sub> temperature. See figure 9 for the T<sub>c</sub> measurement points.
- The transformers 320-00106, 320-00107 and 320-00124 have an IP65 protection degree. When connecting these electronic transformers, a junction box with at least the same IP protection degree should be used. A clamping block is not included. The advice of a qualified person may be necessary for the installation of these products.

**Fig. 1**



1. Connecting the cables
2. Securing the strain relief
3. Fitting the cover shielding the 230V terminals

**Fig. 2**



Electronic transformers

Fig. 3

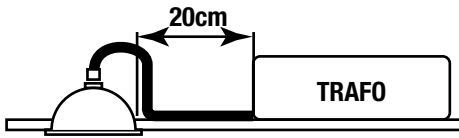
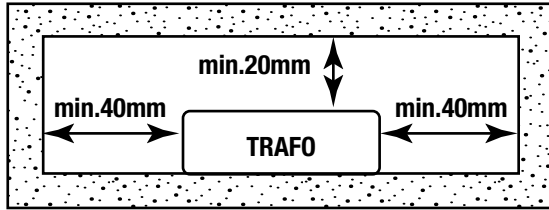


Fig. 4

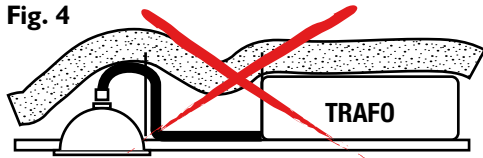


Fig. 5

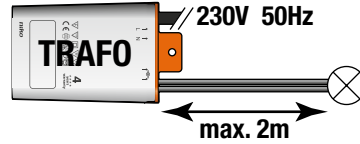


Fig. 6

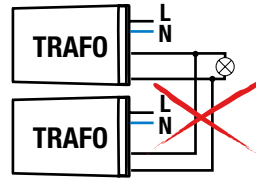


Fig. 7

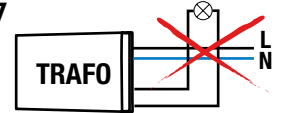
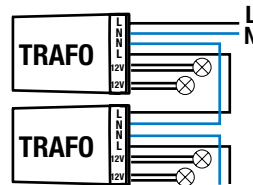
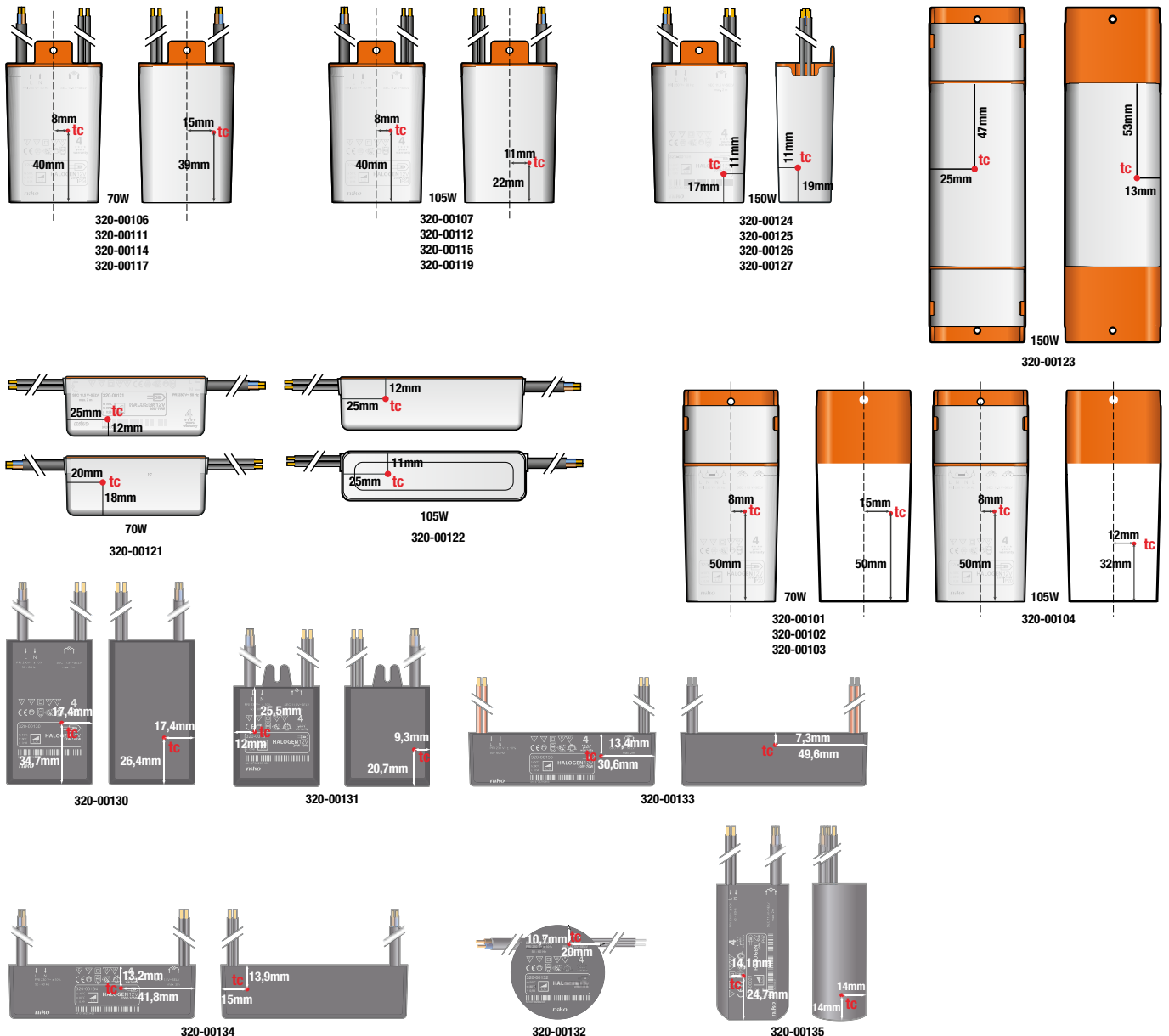


Fig. 8



- Input looping  
 max. 8 x 320-00101  
 max. 8 x 320-00102  
 max. 8 x 320-00103  
 max. 8 x 320-00104  
 max. 8 x 320-00123

Fig. 9



**Electromagnetic transformers**

Reference	Description	Fuse per output EN60127/ EN60269-3	Fuse per parallel circuit	PRI terminal range	SEC terminal range
320-0001	50W with wire output – short-circuit resistant			wire output	wire output
320-0002	50W (terminal connection) – short-circuit resistant			6mm <sup>2</sup>	6mm <sup>2</sup>
320-0003	105W (terminal connection) – short-circuit resistant			4mm <sup>2</sup>	4mm <sup>2</sup>
320-0004	150W (terminal connection)	T6,3A		4mm <sup>2</sup>	4mm <sup>2</sup>
320-0005	200W (terminal connection)	T10A		4mm <sup>2</sup>	4mm <sup>2</sup>
320-0006	300W (terminal connection)	16A	25A	6mm <sup>2</sup>	6mm <sup>2</sup>
320-0007	400W (terminal connection)	20A	40A	6mm <sup>2</sup>	6mm <sup>2</sup>
320-0010	150W (terminal connection) – short-circuit resistant			4mm <sup>2</sup>	4mm <sup>2</sup>
320-0011	200W (terminal connection) – short-circuit resistant			4mm <sup>2</sup>	4mm <sup>2</sup>
320-0012	300W (terminal connection) – short-circuit resistant			6mm <sup>2</sup>	6mm <sup>2</sup>
320-0013	400W (terminal connection) – short-circuit resistant			6mm <sup>2</sup>	6mm <sup>2</sup>

**INSTALLATION**

- The non-short-circuit resistant transformers (320-00004, 320-00005, 320-00006 and 320-00007) should be protected against overload and short circuit. In these cases, fuses (⊞) should be placed in the secondary circuit with a calibre that is proportional to the nominal current of the outgoing circuits (see “secondary safety devices” in the table above and see fig. 1 for connection diagram).
- Alternatively, the Niko fuse boxes with distribution function can be used (320-00201, 320-00202 or 320-00203) (see fig. 2).
- In the short-circuit resistant transformers (320-00001, 320-00002, 320-00003, 320-00010, 320-00011, 320-00012 or 320-00013), the integrated safety device can also serve as a safety for the outgoing circuits on the condition that the minimum wire diameter and the maximum wire length are respected (see table below). In products 320-00001, 320-00002 and 320-00003, the safety device is not self-recovering. The power should be disconnected to reset the safety device (⊞). In products 320-00010, 320-00011, 320-00012 and 320-00013, the safety device should be manually reset by pushing the button (⊞).
- Since relatively high voltages flow on the secondary side of the transformers (20 x Ipri), the distance to the lighting element should always be kept as short as possible. This is necessary in order to limit the cable diameter. Take the acceptable voltage drop of 5% into account so that the colour of the light is not distorted (see table).
- The short-circuit resistant transformer 320-00013 may not be connected in parallel (see fig. 7).
- Control switches (10A/250V~) should always be placed in the primary circuit of the transformer.

**What is the maximum distance between the lighting device and the transformer?**

P (W)	I <sub>n</sub> (A)	max. length of a 2-wire copper conductor with the following diameter (m)			
		1,5mm <sup>2</sup>	2,5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>
50W	4,1	5,6	9,3	14,8	22,2
100W	8,2	2,8	4,6	7,4	11,1
150W	12,3	1,9	3,1	4,9	7,4
200W	16,4		2,3	3,7	5,6
300W	24,6			2,5	3,7
400W	32,8				2,8

**Dimmability:** All transformers are dimmable with phase control (⊞) and universal dimmers (⊞).

**MOUNTING 320-00001 & 320-00002**

To flush mount the transformers 320-00001 and 320-00002, an opening with a minimum diameter of 63.5mm and 55mm, respectively, as well as a flush-mounting height of at least 100mm are needed (fig. 3).

Observe the minimum distance around the transformer and the distance to the lamp (fig. 4).

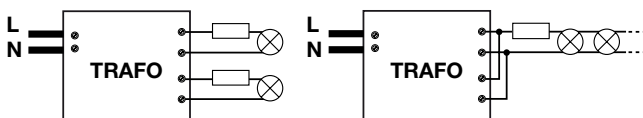
Optimal heat dissipation is required to guarantee proper operation (fig. 5).

For the connection of the transformer 320-00001 to the mains, a junction box and strain relief should be used (fig. 6).

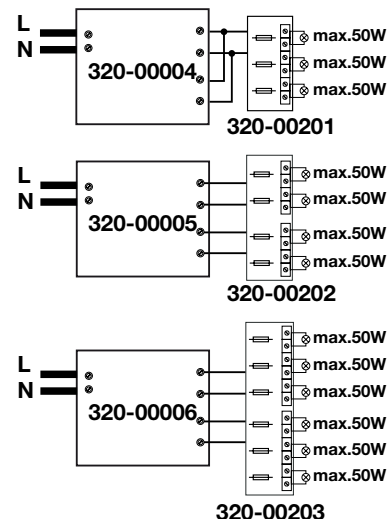
Mounting of the remaining products:

These transformers are designed for use in permanent installations. Install them preferably in a lockable mounting cabinet.

**Fig. 1**



**Fig. 2**



## Electromagnetic transformers

Fig. 3

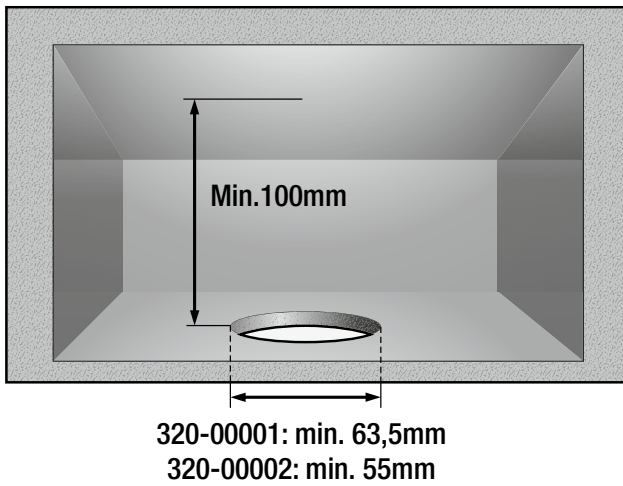


Fig. 4

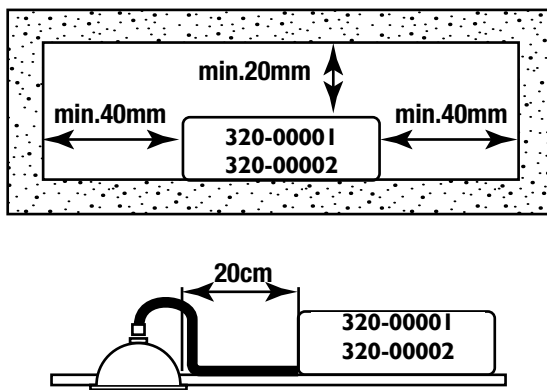
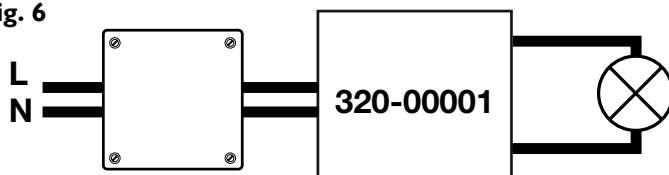


Fig. 5



Fig. 6



Junction box with strain relief

Fig. 7

