





### Recommended conductor cross-section – primary:

0.75 – 2.5 mm<sup>2</sup>, light plastic-sheathed cable with a min. Ø (external) of 6 mm

	<b>rigid wires:</b>	1 x 2.5 mm <sup>2</sup>
		2 x 1.5 mm <sup>2</sup>
	<b>flexible wires:</b>	1 x 2.5 mm <sup>2</sup>
		2 x 1.5 mm <sup>2</sup>

### Recommended conductor cross-section/max. length – secondary:

2.5 – 10.0 mm<sup>2</sup>

Output VA	Current A	Line length from transformer to lamp			
		5 m	10 m	15 m	20 m
Line cross-section in mm <sup>2</sup>					
100	8.3	2.5	4.0	6.0	10.0
150	12.5	2.5	6.0	10.0	10.0
210	17.5	4.0	10.0	10.0	10.0
250	20.8	4.0	10.0	10.0	10.0
300	25.0	6.0	10.0	10.0	10.0

These values apply to flexible copper conductors.

**Note:** Long feeders, connecting elements and couplings represent a higher electrical resistance and reduce the line lengths specified above.

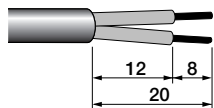
Min. thermal stability of the secondary conductor 100 °C

**Tighten terminals firmly!**

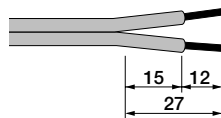


### Length of the wires to be stripped of insulation (mm):

Primary:



Secondary:



### Installation instructions:

H03VV-F, H05VV-F

### Data secondary terminal:

#### possible wiring

Clamping area	0.33 ... 16.00 mm <sup>2</sup>
Single wire / H05(07) V-U	0.5 ... 16.00 mm <sup>2</sup>
braided wire / H05(07) V-K	0.5 ... 10.00 mm <sup>2</sup>
braided wire / DIN 46228-1	2.5 ... 10.00 mm <sup>2</sup>
braided wire / DIN 46228-4	2.5 ... 10.00 mm <sup>2</sup>
plug gage / EN 60999	Ø 5.3 (B6)



### DC operation:

The TE-DC can be operated using DC voltage in installations in accordance with EN 50172.

### Strain relief:

- Wide adjustment range for strain relief (3 – 12 mm)
- Rapid installation of strain relief and terminal cover in the shortest possible time without having to use any tools
- Do not feed single insulated conductors through the strain relief on the primary side



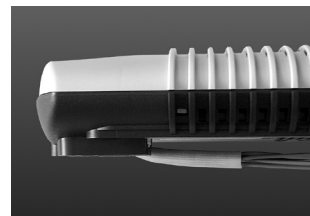
Primary side



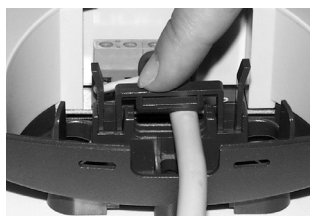
Secondary side



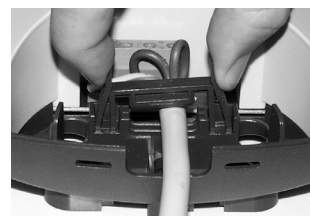
Ceiling mounting



Ceiling mounting



Closing



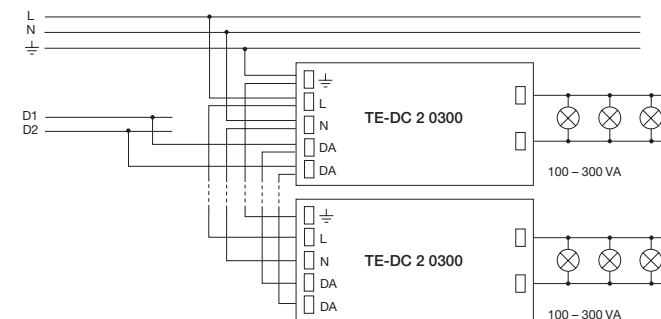
Opening



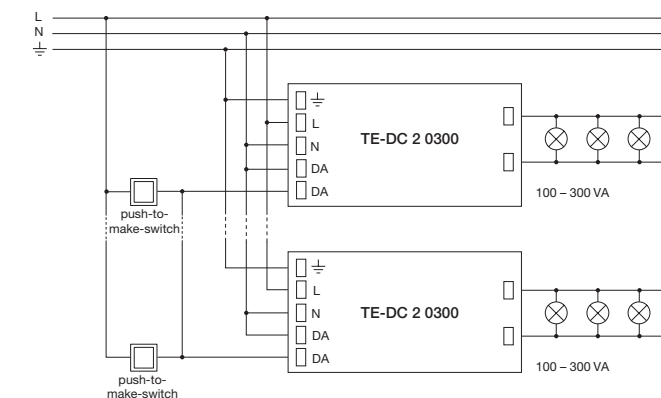
### Intelligent Voltage Guard:

Intelligent Voltage Guard is the name of the new electronic monitor from TridonicAtco. This innovative feature of the TE-DC family of control gear from TridonicAtco immediately shows if the mains voltage rises above or falls below certain thresholds. Measures can then be taken quickly to prevent damage to the control gear.

- If the mains voltage rises above 290 V the lamps start flashing on and off.
- This signal "demands" disconnection of the power supply to the lighting system.
- If the mains voltage falls below 180 V the control gear will automatically dim down to 10 % to protect the control gear from being irreparably damaged.



DALI / DSI



switchDIM



### Safety instructions:

Installation of this device may only be carried out by specialist staff who have provided proof of their skills. The power supply must be switched off before handling the device. The relevant safety and accident prevention regulations must be observed.