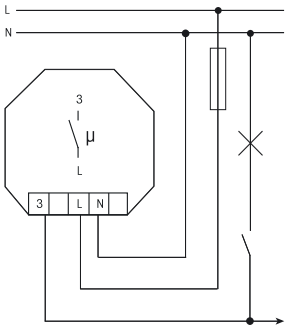


FR61-230V

1 NO contact not potential free 10 A/250 V AC. 230 V LED lamps up to 200 W, incandescent lamp load 1000 W. Standby loss 0.8 watt only.

Built-in device for installation.
45 mm long, 45 mm wide, **26 mm deep.**
230 V supply voltage and switching voltage.
State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.
The FR61-230V mains disconnection relay disconnects the power supply once all series connected loads are turned off, thus preventing any electromagnetic interference fields from occurring.
Small loads up to 20 mA are acceptable and, once major loads are disconnected, they do not prevent field disconnection. There is no need to manually set the limit; it is learned by the FR61. Loads drawing more than 200 mA are consistently defined as loads which should cause the line power to be connected.
As long as no major load is turned on, one pole of the monitored circuit remains isolated from the mains. Neutral and earth are connected continuously to avoid acting as an aerial.
A DC voltage of 230 V DC with an extremely low residual ripple is applied for monitoring. Therefore, **it is prohibited to bridge the relay contact,** which would ultimately cause device failure.
When a load is turned on, the mains disconnection relay connects the phase.
If the phase is switched on for the first time and after a power failure the FR61 automatically learns in again: At first an inrush current of 30 mA is specified. If a new small load is switched on for more than 24 hours, the total current drawn by the monitored circuit is less than 200 mA, and in the meantime the light has been switched on and off, the new load is learned in and the conductor is switched off. This learn-in mode can be realised immediately after connection of the new load by briefly switching off the MCB.

Typical connection



monitored circuit

Manuals and documents in further languages:
https://eltako.com/redirect/FR61-230V

Technical data page 14-9.

FR61-230V	Self-learning mains disconnection relay, 1 NO contact 10 A	**Art. No. 61100530**	**80,67 €/pc.**