

## Operating Instructions FI-SCHUKO socket with RCD in DIN VDE 0664/0620



### 1. Function

The SCHUKO socket has an integrated residual current device (RCD) for protection. If the residual current exceeds 30 mA the SCHUKO socket disconnects the L conductor and N conductor. Sockets that are connected to the additional output cables are likewise protected acc. To VDE 0100 T 410. The electrical installation up to the SCHUKO socket with RCD is not protected! The SCHUKO socket with RCD can also be switched on and off manually, using the built-in switch.

### 2. Area of application

The SCHUKO socket with RCD can be used in private, professional, and public facilities. The SCHUKO socket with RCD is suitable to replace sockets in older installations or to provide additional protection e.g. in kitchen, bathroom, children's room, hobby room, etc.

### 3. Safety instructions

**Attention!** Electrical equipment must be installed and fitted only by qualified electricians. The correct functioning of the SCHUKO socket with RCD is assured only after proper mounting, connection and testing. Non-observance of the safety warnings or installation instructions may cause fire or other hazards.

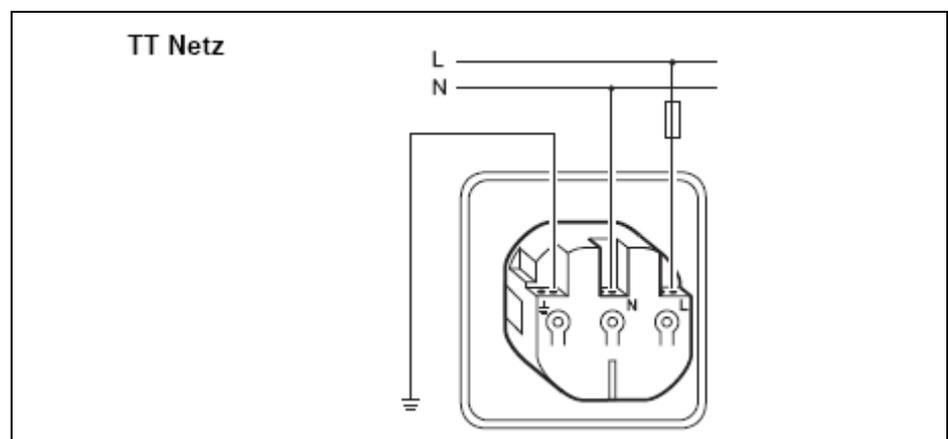
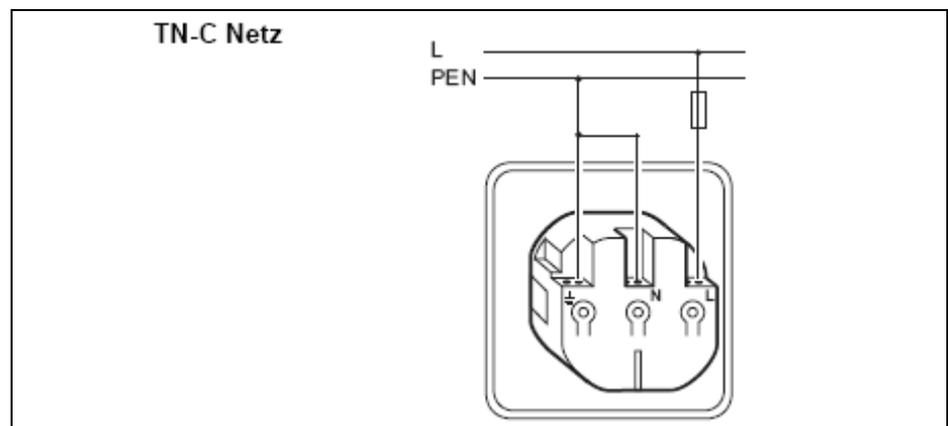
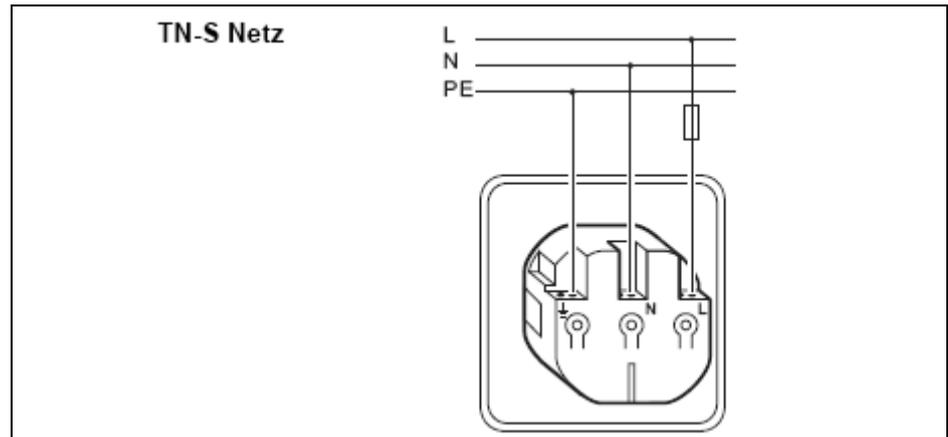
The protective measures acc. to DIN VDE 0100 or the latest local wiring regulations must also be maintained when using SCHUKO sockets with RCD. Repairing or tampering with the socket is not permitted. Opening the device leads to invalidation of the guarantee.

#### 3.1. Installation and connection

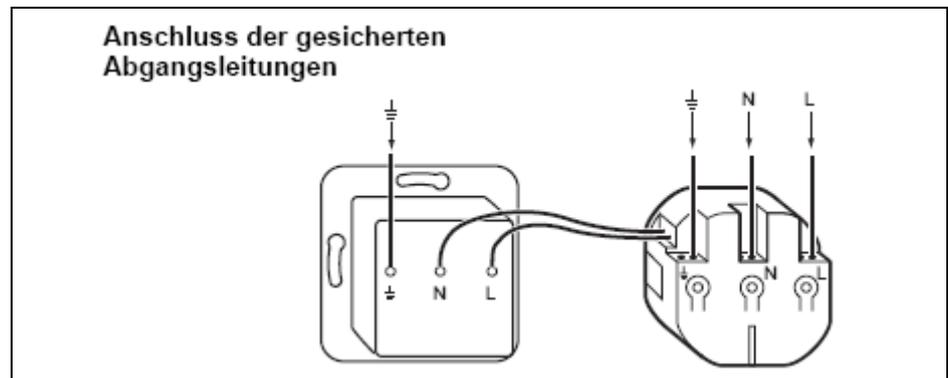
Screw the supporting frame of the SCHUKO socket with RCD on a flush-box in accordance with DIN 49 073.

Depending on the system of the installation connect the SCHUKO socket with RCD acc. To the respective wiring diagram:

- TN-S system
- TN-C system or formation of TN-S system at the socket)
- TT system



**⚠ Attention: Further protected sockets must be connected to the protected output cables (see fig. D). Cables which are connected parallel to the input terminals are not protected!**



#### 4. Functional test

After the installation the correct functioning must be tested:

- Check whether the socket is under power and switched on (switch in position "I").
- Press the test button "T": the SCHUKO socket with RCD must switch off (switch in position "0").
- Use a suitable test instrument to check whether the socket is actually switched off.

**⚠ The SCHUKO socket with RCD must not be put into use if it has not passed this functional test. During operation, test the functioning regularly every month by pressing the test button! The socket should then switch off.**

#### 5. Testing the protective measure

In addition to the functional test, the effectiveness of the protective measure acc. to the applicable installation regulations is to be tested. The maximum permissible earth resistance values for protection in the event of indirect contact are:

Max. permissible touch voltage	Max. permissible earth resistance
25 V	833 Ω
50 V	1666 Ω

#### 6. Operating

Electrical devices which cause the SCHUKO socket with RCD to trip during operation are defective and must be inspected by a qualified electrician and, if necessary, be repaired.

**Note:** It is possible that electrical devices appear to function correctly on a "normal" socket, but cause a disconnection when connected to the SCHUKO socket with RCD. In this case, there is probably a fault in a device which the socket reacts to. The defective device should then be checked by a qualified electrician!

## 7. Technical data

Rated voltage:	AC 230 V~
System frequency:	45–60 Hz
Rated current:	16 A
Rated residual current:	30 mA (sensitive to pulsating current)
Short circuit strength:	3000 A (16 A fuse)
Impulse withstand strength:	250 A, 8/20 µs
Degree of protection:	IP 20
Ambient temperature:	-25 °C to +40 °C
Climatic withstand capacity:	acc. EN 61 008
Cable cross-section:	1.5 mm <sup>2</sup> – 2.5 mm <sup>2</sup>
Connection	screwless terminals

**Subject to change without further notice.**

## 8. Guarantee

**We accept the guarantee in accordance with the corresponding legal provisions.**

**Please return the unit postage paid to our central service department giving a brief description of the fault:**

ALBRECHT JUNG GMBH & CO. KG

Service-Center  
Kupferstr. 17-19  
D-44532 Lünen

Service-Line:

0 23 55 . 80 65 51

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### General equipment

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