

Supply line inspection protocol

VDE 0100-600 initial inspection

Contracting Authority:

Name:

Department:

Contractor:

Company:

Inspector (competent person according to TRBS 1203):

Application number:

Inspection date:

Number of pages:

Note: If more than 1 supply lines have been laid, please complete page 3 for each line and enter the total number of pages.

Test devices used (according to DIN VDE 0413):

1. Device type / designation:

Inventory number:

Calibration certificate / calibrated until:

2. Device type / designation:

Inventory number:

Calibration certificate / calibrated until:

3. Device type / designation:

Inventory number:

Calibration certificate / calibrated until:

Inspection result

- ☐ No defects were found.
- ☐ There are serious defects, which must be properly remedied immediately.
- ☐ There are notes / comments on minor defects.

Signatures:

Signature of the client

Signature of the inspector

Place

Date

Place

Date

Inspection

- ☐ The equipment can withstand influences at the place of use
- ☐ Marking of connection points and any disconnect points are in order
- ☐ No visible damage identifiable
- ☐ Protective conductors are protected against loosening and corrosion
- ☐ Protection by insulation of all live parts generally present
- ☐ PE, L and N not confused
- ☐ Reserve cores routed to terminals or insulated at the ends
- ☐ Required protection type respected
- ☐ Various voltage potentials: Insulation of the line / separate line
- ☐ Covering on the cable ducts in order
- ☐ Laying of conductor, cable and lines in order
- ☐ Sufficient connection space, cable clamp rail, mounting of cable shielding in order
- ☐ Line colours of main, control and power circuits in order
- ☐ Labelling of equipment, terminals, terminal strips in order
- ☐ Device installation, placement, conductor cross-sections correspond to documentation
- ☐ Overload protection elements (adjustment values) in order
- ☐ PG/M screw connections complete, sealed and in order
- ☐ Documentation available and in order
- ☐ No double terminal assignment for PE (this is not permitted)
- ☐ Manufacturer instructions followed for double terminal assignment
- ☐ Contact protection according to VDE 0660-514 (formerly VDE 0106-100) in order

Comments

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Inspection object:

Source (e.g. NS1-C02 F10 Ab 3; HV8-D03, F28):

Line (e.g. NYM 5x16; NYCWY 4x95/50)

Destination (e.g. Mennekes box axis J4; crane hall 2):

Fuse protection (e.g. D02 35A; NH00 100A):

RCD:

☐ RCD Type A present



☐ RCD Type B present



☐ RCD Type B+ present

☐ RCD Type AC present



(no longer permitted in Germany,
must be changed)

Rated differential current: $I_{\Delta N}$ [A]

Nominal current: I_N [A]

Measurement

Insulation resistance

R_{iso} [MΩ]

Loop impedance

(L1 - PE)

Z_s [Ω]

I_k [A]

(L2 - PE)

Z_s [Ω]

I_k [A]

(L3 - PE)

Z_s [Ω]

I_k [A]

Network internal resistance

(L1 - N)

Z_i [Ω]

I_k [A]

(L2 - N)

Z_i [Ω]

I_k [A]

(L3 - N)

Z_i [Ω]

I_k [A]

RCD

Actual Trigger pulse current

I_{Δ} [mA]

Actual Trigger direct current

I_{Δ} [mA]

(type B only)

Pulse current trigger time

t_a [ms]

Direct current trigger time

t_a [ms]

(type B only)

Voltage (L1 - N) U [V]

(L1 - PE) U [V]

(L1 - L2) U [V]

(L2 - N) U [V]

(L2 - PE) U [V]

(L2 - L3) U [V]

(L3 - N) U [V]

(L3 - PE) U [V]

(L3 - L1) U [V]

Rotating field

☐

Clockwise rotating field