Mitteldeutsche Netzgesellschaft Strom mbH, MITNETZ STROM, PF 20 09 53, 06010 Halle (Saale), Industriestraße 10, 06184 Kabelsketal, Dr. Stephan Lowis, Christine Janssen, Lutz Eckenroth, Halle (Saale), 215080, DE814181768, info@mitnetz-strom.de, www.mitnetz-strom.de, Stendal, **Vorsitzender des Aufsichtsrates**, 03060 Cottbus, PF 15 60 17, Postanschrift

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Eingangsvermerk MITNETZ STROM | | | | | | | | | | | | | | | | | | | | | | |  | | | vom: | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | |  | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anlagenanschrift | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Straße, Hausnummer | | | | | | | | | | | | | | | | | | | | | | |  | | | PLZ, Ort | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Netztransformator\* | | | | | | (Bei mehreren Netztransformatoren sind die Daten für jeden Transformator einzeln mit Seite 3 anzugeben.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Parallelbetrieb | | |  | | nein | | | | | | | | | | ja | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
|  | |  | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | |  | |  | | | | | | | | |
|  | |  | | | | | | | | |  | | | | | Anzahl: | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | |
|  | |  | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | |  | |  | | | | | | | | |
|  | | Bemessungsspannung (Oberspannungsseite) | | | | | | | | |  | | | | | Bemessungsspannung (Unterspannungsseite) | | | | | | | | | | | | | | | | | | | | |  | | Bemessungsscheinleistung *S*rT | | | | | | | | |
|  | | kV | | | | | | | | |  | | | | | kV | | | | | | | | | | | | | | | | | | | | |  | | MVA | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Relative Kurzschlussspannung *u*K | | | | | | | | |  | | | | | Schaltgruppe | | | | | | | | | | |  | | | Stufenschalter | | | | | | |  | | relative Zusatzspannung | | | | | | | | |
|  | | % | | | | | | | | |  | | | | |  | | | | | | | | | | |  | | | Stufen | | | | | | |  | | ±       % | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Einbauort: | | | | | | | | | | | | | | OS-seitig | | | | | | | | | | | | | | | US-seitig | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blindleistungskompensation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Bereich der einstellbaren Blindleistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | Festkompensation | | | | | | | | |
|  | | kvar (induktiv) | | | | | | | | | bis | | | | | kvar (kapazitiv) | | | | | | | | | | | | | | | | | | | | |  | | kvar | | | | | |
|  | |  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | in Stufen schaltbar: | | | | | | | | | | | | | | stufenlos regelbar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | Stufenanzahl: | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
|  | | |  | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Verdrosselungsgrad/Resonanzfrequenz | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Schematischer Übersichtsschaltplan beigefügt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Herstellerdatenblatt beigefügt | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motoren (≥ 1 MVA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Asynchronmotor | | | | | | | Synchronmotor | | | | | | | | | | | | | | Antrieb mit Stromrichter | | | | | | | | | | | | | | | | | | | | |  | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Anzahl und Bemessungsscheinleistung: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Für den größten Motor (größter Anlaufstrom) sind die folgenden Felder auszufüllen: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Bemessungscheinleistung | | | | | | | | |  | | | | | Bemessungsspannung | | | | | | | | | | | |  | | | Bemessungsdrehzahl | | | | | |  | | Bemessungsstrom | | | | | | |
|  | | kVA | | | | | | | | |  | | | | | V | | | | | | | | | | | |  | | | 1/min | | | | | |  | | A | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Leistungsfaktor | | | | | | | | |  | | | | | Wirkungsgrad | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | |  | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asynchronmotor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Verhältnis Anlaufstrom/Bemessungsstrom *I*a/*I*r | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | |  | | | | | | | Anlaufschaltung: | | | | | | | | | | | | | direkt | | | | | | Stern/ Dreieck | | | | | sonstige | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronmotor | | | | | | | (bitte Herstellerdatenblatt mit den elektrischen Daten beifügen) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Subtransiente Längsreaktanz | | | | | | | | |  | | | | | Subtransiente Querreaktanz | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
|  | |  | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Verhalten am Netz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Zahl der Anläufe je h | | | | | | | | |  | | | | | Anlauf mit Last oder ohne Last | | | | | | | | | | | | | | | | | | | | |  | | Zahl der Last- bzw. Drehrichtungswechsel | | | | | | | | |
|  | |  | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | |  | | je min | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schweißmaschinen Summenleistung ≥ 1MVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Zahl und Höchstschweißleistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Für die größte Schweißmaschine sind die folgenden Felder auszufüllen: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Höchstschweißleistung | | | | | | | | |  | | | | | Leistungsfaktor | | | | | | | | | | | |  | | | Zahl der Schweißungen | | | | | |  | | Dauer einer Schweißung | | | | | | | | |
|  | | kVA | | | | | | | | |  | | | | |  | | | | | | | | | | | |  | | | je min | | | | | |  | | s | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Form des Stromimpulses: | | | | | | | | | | | | | Dreieck | | | | | | | | | | | | | | | | | Viereck | | | | | | | Sägezahn | | | | | | | | |
| Lichtbogenöfen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Summe der Bemessungsscheinleistung | | | | | | | | | | | | |  | | | | | Zahl und Bemessungsscheinleistung | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |
|  | kVA | | | | | | | | | | |  | | | | | kVA | | | | | | | | | | | | | | | | | | | |  | | |  | | | | | | | |
|  |  | | | | | | | | |  | | |  | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |
| Stromrichter ≥ 1 MVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Anzahl und Bemessungsscheinleistung | | | | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | |  | |  | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Für den größten Stromrichter sind die folgenden Felder auszufüllen: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Bemessungsscheinleistung | | | | | | | | | | | |  | | | | | Pulszahl bzw. Schaltfrequenz | | | | | | | | | | | | | | | | | | |  | | Schaltung (Brücke, Mittelpunktschaltung…) | | | | | | | | |
|  | kVA | | | | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | |  | |  | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Steuerung: | | | | | | | | | | | | | | gesteuert | | | | | | | | | | | | | | ungesteuert | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | Zwischenkreis vorhanden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Glättung: | | | | | | | | | | | | | | | | induktiv | | | | | | | | | | | | kapazitiv | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stromrichtertransformator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Bemessungsscheinleistung *S*rT | | | | | | | | | | |  | | | | | | relative Kurzschlussspannung *u*k | | | | | | | | | | | | | | | | | | |  | | Schaltgruppe | | | | | | | | |
|  | kVA | | | | | | | | | | |  | | | | | | % | | | | | | | | | | | | | | | | | | |  | |  | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Kommutierungsinduktivitäten: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | mH | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Herstellerangaben zu den netzseitigen Oberschwingungsströmen (bei höherpulsigen Stromrichtern (z. B. 36-Puls-Stromrichter) ist die folgende Tabelle entsprechend zu erweitern): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Ordnungszahl | | | 3 | | | | 5 | | 7 | | | | | | | | | | 9 | | | | 11 | | | | | | | | | 13 | | 17 | | | | | 19 | 23 | | 25 | | | | |
|  | *I*ν [A] | | |  | | | |  | |  | | | | | | | | | |  | | | |  | | | | | | | | |  | |  | | | | |  |  | |  | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Ordnungszahl | | |  | | | |  | |  | | | | | | | | | |  | | | |  | | | | | | | | |  | |  | | | | |  |  | |  | | | | |
|  | *I*ν [A] | | |  | | | |  | |  | | | | | | | | | |  | | | |  | | | | | | | | |  | |  | | | | |  |  | |  | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Bemerkungen** z. B. schaltbare Verbrauchslasten zur Bereitstellung von Regelleistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ort, Datum | | | | | | | | | | | | | | | | | | | | | |  | | | | Unterschrift Anschlussnehmer | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| \*Ergänzung zu Netztranformator  Anlagenanschrift | | | | | | | | | | | | | | | |
|  | Straße, Hausnummer | | | | | | |  | | PLZ, Ort | | | | | |
|  |  | | | | | | |  | |  | | | | | |
|  |  | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | |
| 2. Netztransformator | | | | | | | | | | | | | | | |
|  | Parallelbetrieb |  | nein | | | ja | | | | | | | | |  |
|  |  | | |  |  | | | | | | | | |  |  |
|  |  | | |  | Anzahl: | |  | | | | | |  | | |
|  |  | | |  |  | | | | | | | | |  |  |
|  | Bemessungsspannung (Oberspannungsseite) | | |  | Bemessungsspannung (Unterspannungsseite) | | | | | | | | |  | Bemessungsscheinleistung *S*rT |
|  | kV | | |  | kV | | | | | | | | |  | MVA |
|  |  | | | | | | | | | | | | | | |
|  | Relative Kurzschlussspannung *u*K | | |  | Schaltgruppe | | | |  | | Stufenschalter | | |  | relative Zusatzspannung |
|  | % | | |  |  | | | |  | | Stufen | | |  | ±       % |
|  |  | | | | | | | | | | | | | | |
|  | Einbauort: | | | | OS-seitig | | | | | | | US-seitig | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| 3. Netztransformator | | | | | | | | | | | | | | | |
|  | Parallelbetrieb |  | nein | | | ja | | | | | | | | |  |
|  |  | | |  |  | | | | | | | | |  |  |
|  |  | | |  | Anzahl: | |  | | | | | |  | | |
|  |  | | |  |  | | | | | | | | |  |  |
|  | Bemessungsspannung (Oberspannungsseite) | | |  | Bemessungsspannung (Unterspannungsseite) | | | | | | | | |  | Bemessungsscheinleistung *S*rT |
|  | kV | | |  | kV | | | | | | | | |  | MVA |
|  |  | | | | | | | | | | | | | | |
|  | Relative Kurzschlussspannung *u*K | | |  | Schaltgruppe | | | |  | | Stufenschalter | | |  | relative Zusatzspannung |
|  | % | | |  |  | | | |  | | Stufen | | |  | ±       % |
|  |  | | | | | | | | | | | | | | |
|  | Einbauort: | | | | OS-seitig | | | | | | | US-seitig | | | |
|  | | | | | | | | | | | | | | | |