



- Geeignet zur Unterbrechung, Umschaltung, Einschaltung von Stromkreisen und zum Anlauf von Motoren
- Möglichkeit spezieller Schaltpläne
- Lieferbare Frontplatten: IP65 und IP40
- Ausführungen für Fronteinbau, für Tafelbau oder im Gehäuse
- Umfangreiche Produktpalette

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**SERIE GF**

- Konventioneller thermischer Strom in freier Luft Ith 10A und 20A
- Bis zu 24 Kontakte
- Zwangsöffnung \ominus gemäß IEC/EN 60947-5-1
- Bis zu 12 Schaltpositionen
- Drehwinkel: 30°, 45°, 60°, 90°
- Möglichkeit der Installation nebeneinander
- Schutzart Kontakte IP20
- Standard-Schutzart Frontplatte IP40

**SERIE 7GN**

- Konventioneller thermischer Strom in freier Luft Ith 16...125A
- Runder Kontaktkörper
- Bis zu 24 Kontakte
- Zwangsöffnung \ominus gemäß IEC/EN 60947-5-1
- Bis zu 12 Schaltpositionen
- Drehwinkel: 30°, 45°, 60°, 90°
- Versionen im Kunststoffgehäuse erhältlich
- Standard-Schutzart Frontplatte IP40

**SERIE GX**

- Konventioneller thermischer Strom in freier Luft Ith 16...40A
- Quadratischer Kontaktkörper
- Bis zu 24 Kontakte
- Zwangsöffnung \ominus gemäß IEC/EN 60947-5-1
- Bis zu 12 Schaltpositionen
- Drehwinkel: 30°, 45°, 60°, 90°
- Versionen im Kunststoffgehäuse erhältlich
- Möglichkeit der Installation nebeneinander
- Schutzart Kontakte IP20
- Standard-Schutzart Frontplatte IP65

**SERIE GN**

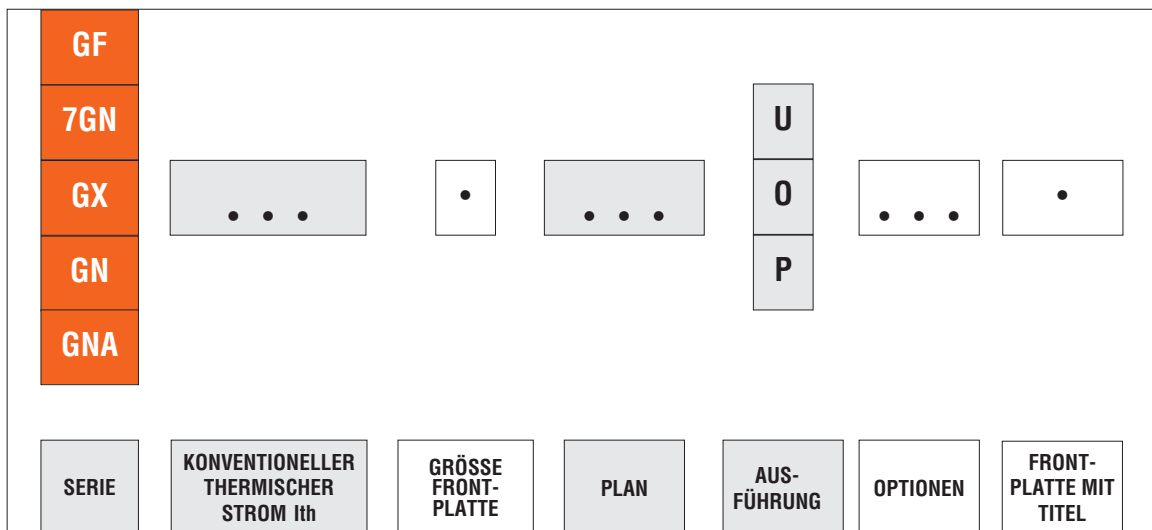
- Konventioneller thermischer Strom in freier Luft Ith 200...315A
- Auf Anfrage bis zu 2000A erhältlich
- Bis zu 24 Kontakte
- Zwangsöffnung \ominus gemäß IEC/EN 60947-5-1
- Bis zu 12 Schaltpositionen
- Drehwinkel: 30°, 45°, 60°, 90°
- Versionen im Metallgehäuse erhältlich
- Versionen mit 200A und 315A mit cURus-Zulassung



Seite 11-42

SERIE GNA20

- Konventioneller thermischer Strom in freier Luft Ith 20A
- Bis zu 48 Kontakte
- Zwangsöffnung \ominus gemäß IEC/EN 60947-5-1
- 4 Kontakte pro Element
- Geringe Tiefe
- Drehwinkel: 30°, 45°, 60°, 90°
- Versionen im Kunststoffgehäuse erhältlich
- Schutzart Kontakte IP20



GF
Schutzart:
Vorderseite = IP40
Kontakte = IP20

7GN
Schutzart :
Vorderseite = IP40
Kontakte = IP00

GX
Schutzart:
Vorderseite = IP65
Kontakte = IP20

GN
Schutzart:
Vorderseite = IP40
Kontakte = IP00

GNA
Schutzart:
Vorderseite = IP40
Kontakte = IP20

| SERIE | KONVENTIONELLER THERMISCHER STROM I _{th} |
|-----------|---|
| GF | 7GN GX GN GNA |
| 10A | 16A 16A 200A 20A |
| 20A | 20A 20A 315A 25A 32A 40A 40A 63A 125A |

90
91
10
92
99
100
...
❶

U = Fronteinbau
O = Tafelbau
P = Im Kunststoffgehäuse
L = Im Metallgehäuse (nur für Serie GN)

N = Für Version mit Frontplatte mit Titel und neutralem Etikett den Buchstaben N hinzufügen

Für eine großdimensionierte Frontplatte H hinzufügen

| Standard-Frontplatte | Großdimensionierte Frontpl. |
|--|--|
| GF10 = 30x30mm GF20 = 48x48mm | GF10H = 48x48mm GF20H = 65x65mm |
| 7GN12...25 = 48x48mm 7GN32...63 = 65x65mm | 7GN12H...25H = 65x65mm 7GN32H...63H = 90x90mm |
| GX16...20 = 48x48mm GX32...40 = 65x65mm | GX16H...20H = 65x65mm GX32H...40H = 90x90mm |
| GNA20 = 65x65mm | GNA20H = 90x90mm |

| | |
|------------|---|
| 25 | Fronteinbau, mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen |
| 65 | Fronteinbau, mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (nur für 7GN) |
| 11 | Fronteinbau, mit schwarzem Griff, ohne Frontplatte, Befestigung in Ø22mm Bohrung |
| 12 | Fronteinbau, ohne Frontplatte, mit Schlüssel, Befestigung in Ø22mm Bohrung |
| 47 | Fronteinbau, mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung |
| 48 | Modular, mit schwarzem Griff, Befestigung auf DIN-Schiene |
| 88 | Tafelbau, mit in Position 0 abschließbarem, rot/gelbem Griff, mit Türverriegelungsfunktion und Klemmenabdeckungen |
| 98 | Tafelbau, mit in Position 0 abschließbarem, rot/gelbem Griff, m. Türverriegelungsfunkt. u. Klemmenabdeckungen (nur für 7GN) |
| 4V | Fronteinbau, Befestigung mit 4 Schrauben |
| 51 | Fronteinbau, mit schwarzem Griff und Schutzart Vorderseite IP65 |
| 24 | Fronteinbau, mit nicht abschließbarem, rot/gelbem Griff, ohne Klemmenabdeckungen |
| 29 | Fronteinbau, mit Frontplatte und Schlüssel, Befestigung in Ø22mm Bohrung |
| 29D | Fronteinbau, mit Schlüssel, Befestigung durch Einrasten in Ø22mm Bohrung |
| 06 | Fronteinbau, mit in Position 0 abschließbarem, schwarzem Griff |
| 49 | Modular, mit Schlüssel, Befestigung auf DIN-Schiene |

Bestellbeispiel:

- GX1653P** = Linienschalter mit 16A, 3-polig mit 3 Positionen und 3 Elementen im Gehäuse 90x90mm (IP65)
- 7GN25H90U51** = Schalter für Fronteinbau mit 25A, 1-polig mit 2 Positionen, 1 Element, großdimensionierte Frontplatte 65x65mm mit Schutzart IP65 auf der Vorderseite

❶ Spezielle Schaltpläne sind auf Anfrage möglich. Dazu bitte das Formular auf Seite 11-3 ausfüllen



Für weitere Informationen (Konfiguration der Kontakte, Schaltpläne, Angaben zur Frontplatte, etc.) siehe Anleitung I230. Für weitere Informationen wenden Sie sich bitte an: siehe erste Seite im Katalog

11 Nockenschalter

Tabelle für spezielle Schaltpläne

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------|--------------|----|---|---|---|----|-----------------|----|-----------------------|----|-----------------------|----|----|----|-----------------|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | 1 | 4 | 5 | 8 | 9 | 12 | 13 | 16 | 17 | 20 | 21 | 24 | 25 | 28 | 29 | 32 | 33 | 36 | 37 | 40 | 41 | 44 | 45 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 3 | 6 | 7 | 10 | 11 | 14 | 15 | 18 | 19 | 22 | 23 | 26 | 27 | 30 | 31 | 34 | 35 | 38 | 39 | 42 | 43 | 46 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angabe auf Frontplatte | Pos. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | C | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | D | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | A | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | B | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frontplatte | | 1 | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | | X | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Überlappende Kontakte | | Geschl. Kontakt in 2 oder mehreren Positionen | | Offener Kontakt | | Geschlossener Kontakt | | Selbständige Rückkehr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SERIE: | | <input type="checkbox"/> GF <input type="checkbox"/> 7GN <input type="checkbox"/> GX <input type="checkbox"/> GN <input type="checkbox"/> GNA | | | | | | | | | | | | Nennstrom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | VERSION: | | <input type="checkbox"/> Fronteinbau <input type="checkbox"/> Tafleinbau <input type="checkbox"/> Im Gehäuse <input type="checkbox"/> Sonstiges | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | AUSFÜHRUNG: | | <input type="checkbox"/> Standard <input type="checkbox"/> rot/gelber Griff <input type="checkbox"/> Sonderausf. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BEFESTIGUNG: | | <input type="checkbox"/> 2 Schrauben <input type="checkbox"/> 4 Schrauben <input type="checkbox"/> Einrastung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | St.: | |_ Firmenname: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Ansprechpartner: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Standardausführung: Schwarze Frontplatte, schwarze Angabe 0-12 und schwarzer Griff. Alle anderen Ausführungen gelten als Sonderausführung. Siehe dazu auch die Anleitung I230. Für weitere Informationen wenden Sie sich bitte an: siehe erste Seite im Katalog

SCHALTER



Ausführung für Fronteinbau mit schwarzem Griff (U)①

| ANSCHLUSSPLÄNE | | | | ②90 | ②91 | ②10 | ②92 | ③05 | ③06 | ③07 | ③08 | ③03 |
|----------------|--------------------|-------------------------------|-----------------------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | | | | GF... | □30 | 10 | 10 | GF1090U | GF1091U | GF1010U | GF1092U | GF1005U |
| | □48 | 20 | 15 | GF2090U | GF2091U | GF2010U | GF2092U | GF2005U | GF2006U | GF2007U | GF2008U | GF2003U |
| 7GN... | □48 | 16 | 15 | 7GN1290U | 7GN1291U | 7GN1210U | 7GN1292U | 7GN1205U | 7GN1206U | 7GN1207U | 7GN1208U | 7GN1203U |
| | | 20 | 20 | 7GN2090U | 7GN2091U | 7GN2010U | 7GN2092U | 7GN2005U | 7GN2006U | 7GN2007U | 7GN2008U | 7GN2003U |
| | | 25 | 30 | 7GN2590U | 7GN2591U | 7GN2510U | 7GN2592U | 7GN2505U | 7GN2506U | 7GN2507U | 7GN2508U | 7GN2503U |
| | □65 | 32 | 40 | 7GN3290U | 7GN3291U | 7GN3210U | 7GN3292U | 7GN3205U | 7GN3206U | 7GN3207U | 7GN3208U | 7GN3203U |
| | | 40 | 50 | 7GN4090U | 7GN4091U | 7GN4010U | 7GN4092U | 7GN4005U | 7GN4006U | 7GN4007U | 7GN4008U | 7GN4003U |
| | | 63 | 60 | — | — | 7GN6310U | 7GN6392U | — | — | 7GN6307U | 7GN6308U | 7GN6303U |
| □90 | 125 | 130 | — | — | 7GN12510U | 7GN12592U | — | — | 7GN12507U | 7GN12508U | 7GN12503U | |
| GX... | □48 | 16 | 12 | GX1690U | GX1691U | GX1610U | GX1692U | GX1605U | GX1606U | GX1607U | GX1608U | GX1603U |
| | | 20 | 15 | GX2090U | GX2091U | GX2010U | GX2092U | GX2005U | GX2006U | GX2007U | GX2008U | GX2003U |
| | □65 | 32 | 32 | GX3290U | GX3291U | GX3210U | GX3292U | GX3205U | GX3206U | GX3207U | GX3208U | GX3203U |
| | | 40 | 40 | GX4090U | GX4091U | GX4010U | GX4092U | GX4005U | GX4006U | GX4007U | GX4008U | GX4003U |
| GN... | □132 | 200 | 200 | — | — | GN20010U | GN20092U | — | — | GN20007U | GN20008U | GN20003U |
| | | 315 | 255 | — | — | GN31510U | GN31592U | — | — | GN31507U | GN31508U | GN31503U |



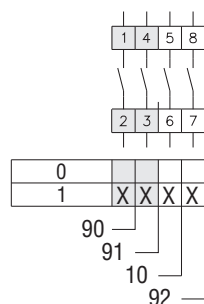
Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U25)④

| ANSCHLUSSPLÄNE | | | | ②90 | ②91 | ②10 | ②92 | ③05 | ③06 | ③07 | ③08 |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | □48 | 20 | 15 | GF2090U25 | GF2091U25 | GF2010U25 | GF2092U25 |
| 7GN... | □65 | 16 | 15 | 7GN1290U25 | 7GN1291U25 | 7GN1210U25 | 7GN1292U25 | 7GN1205U25 | 7GN1206U25 | 7GN1207U25 | 7GN1208U25 |
| | | 20 | 20 | 7GN2090U25 | 7GN2091U25 | 7GN2010U25 | 7GN2092U25 | 7GN2005U25 | 7GN2006U25 | 7GN2007U25 | 7GN2008U25 |
| | | 25 | 30 | 7GN2590U25 | 7GN2591U25 | 7GN2510U25 | 7GN2592U25 | 7GN2505U25 | 7GN2506U25 | 7GN2507U25 | 7GN2508U25 |
| | | 32 | 40 | 7GN3290U25 | 7GN3291U25 | 7GN3210U25 | 7GN3292U25 | 7GN3205U25 | 7GN3206U25 | 7GN3207U25 | 7GN3208U25 |
| | | 40 | 50 | 7GN4090U25 | 7GN4091U25 | 7GN4010U25 | 7GN4092U25 | 7GN4005U25 | 7GN4006U25 | 7GN4007U25 | 7GN4008U25 |
| GX... | □48 | 16 | 12 | GX1690U25 | GX1691U25 | GX1610U25 | GX1692U25 | GX1605U25 | GX1606U25 | GX1607U25 | GX1608U25 |
| | | 20 | 15 | GX2090U25 | GX2091U25 | GX2010U25 | GX2092U25 | GX2005U25 | GX2006U25 | GX2007U25 | GX2008U25 |
| | □65 | 32 | 32 | GX3290U25 | GX3291U25 | GX3210U25 | GX3292U25 | GX3205U25 | GX3206U25 | GX3207U25 | GX3208U25 |
| | | 40 | 40 | GX4090U25 | GX4091U25 | GX4010U25 | GX4092U25 | GX4005U25 | GX4006U25 | GX4007U25 | GX4008U25 |

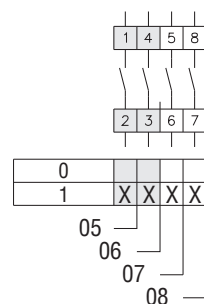
- ① Bei Version mit in Position 0 abschließbarem, schwarzem Griff ohne Klemmenabdeckungen 06 hinzufügen (z.B. GF1090U06)
- ② Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-1 den Buchstaben C hinzufügen (z.B. GF20C90U). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. GF20D90U)
- ③ Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. GF20C05U)
- ④ Bei Version mit nicht abschließbarem, rot/gelbem Griff und ohne Klemmenabdeckungen U25 durch U24 ersetzen (z.B. GF2090U24)

ANSCHLUSSPLÄNE

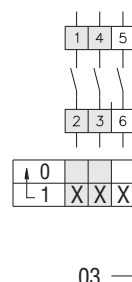
90-91-10-92



05-06-07-08



03



SCHALTER



Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U65)

| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 205 | 206 | 207 | 208 |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|-------------|-------------|------------|------------|-------------|-------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| 7GN... | □65 | 16 | 15 | 7GN1290U65 | 7GN1291U65 | 7GN1210U65 | 7GN1292U65 | 7GN1205U65 | 7GN1206U65 | 7GN1207U65 | 7GN1208U65 |
| | | 20 | 20 | 7GN2090U65 | 7GN2091U65 | 7GN2010U65 | 7GN2092U65 | 7GN2005U65 | 7GN2006U65 | 7GN2007U65 | 7GN2008U65 |
| | | 25 | 30 | 7GN2590U65 | 7GN2591U65 | 7GN2510U65 | 7GN2592U65 | 7GN2505U65 | 7GN2506U65 | 7GN2507U65 | 7GN2508U65 |
| | | 32 | 40 | 7GN3290U65 | 7GN3291U65 | 7GN3210U65 | 7GN3292U65 | 7GN3205U65 | 7GN3206U65 | 7GN3207U65 | 7GN3208U65 |
| | | 40 | 50 | 7GN4090U65 | 7GN4091U65 | 7GN4010U65 | 7GN4092U65 | 7GN4005U65 | 7GN4006U65 | 7GN4007U65 | 7GN4008U65 |
| | 63 | 60 | — | — | 7GN6310U65 | 7GN6392U65 | — | — | 7GN6307U65 | 7GN6308U65 | |
| | □90 | 125 | 130 | — | — | 7GN12510U65 | 7GN12592U65 | — | — | 7GN12507U65 | 7GN12508U65 |



Ausführung für Fronteinbau mit schwarzem Griff, ohne Frontplatte, Befestigung in Ø22mm Bohrung (U11)

| ANSCHLUSSPLÄNE | | | | 90 | 91 | 10 | 92 | 05 | 06 | 07 | 08 | 03 |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| GF... | — | 20 | 15 | GF2090U11 | GF2091U11 | GF2010U11 | GF2092U11 | GF2005U11 | GF2006U11 | GF2007U11 | GF2008U11 | GF2003U11 |
| 7GN... | — | 16 | 15 | 7GN1290U11 | 7GN1291U11 | 7GN1210U11 | 7GN1292U11 | 7GN1205U11 | 7GN1206U11 | 7GN1207U11 | 7GN1208U11 | 7GN1203U11 |
| | | 20 | 20 | 7GN2090U11 | 7GN2091U11 | 7GN2010U11 | 7GN2092U11 | 7GN2005U11 | 7GN2006U11 | 7GN2007U11 | 7GN2008U11 | 7GN2003U11 |
| | | 25 | 30 | 7GN2590U11 | 7GN2591U11 | 7GN2510U11 | 7GN2592U11 | 7GN2505U11 | 7GN2506U11 | 7GN2507U11 | 7GN2508U11 | 7GN2503U11 |
| GX... | — | 16 | 12 | GX1690U11 | GX1691U11 | GX1610U11 | GX1692U11 | GX1605U11 | GX1606U11 | GX1607U11 | GX1608U11 | GX1603U11 |
| | | 20 | 15 | GX2090U11 | GX2091U11 | GX2010U11 | GX2092U11 | GX2005U11 | GX2006U11 | GX2007U11 | GX2008U11 | GX2003U11 |

- Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-I den Buchstaben C hinzufügen (z.B. 7GN12C90U65). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. 7GN12D90U65)
- Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. 7GN12C05U65)

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

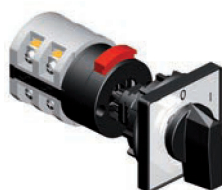
| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

SCHALTER



Ausführung für Fronteinbau ohne Frontplatte, mit Schlüssel, Befestigung in Ø22mm Bohrung (U12)Ⓛ

| ANSCHLUSSPLÄNE | | | | 90 | 91 | 10 | 92 | 05 | 06 | 07 | 08 | 03 |
|----------------|---------------|---|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | [mm] | | | | | | | | | | | |
| GF... | — | 20 | 15 | GF2090U12 | GF2091U12 | GF2010U12 | GF2092U12 | GF2005U12 | GF2006U12 | GF2007U12 | GF2008U12 | GF2003U12 |
| 7GN... | — | 16 | 15 | 7GN1290U12 | 7GN1291U12 | 7GN1210U12 | 7GN1292U12 | 7GN1205U12 | 7GN1206U12 | 7GN1207U12 | 7GN1208U12 | 7GN1203U12 |
| | | 20 | 20 | 7GN2090U12 | 7GN2091U12 | 7GN2010U12 | 7GN2092U12 | 7GN2005U12 | 7GN2006U12 | 7GN2007U12 | 7GN2008U12 | 7GN2003U12 |
| | | 25 | 30 | 7GN2590U12 | 7GN2591U12 | 7GN2510U12 | 7GN2592U12 | 7GN2505U12 | 7GN2506U12 | 7GN2507U12 | 7GN2508U12 | 7GN2503U12 |
| GX... | — | 16 | 12 | GX1690U12 | GX1691U12 | GX1610U12 | GX1692U12 | GX1605U12 | GX1606U12 | GX1607U12 | GX1608U12 | GX1603U12 |
| | | 20 | 15 | GX2090U12 | GX2091U12 | GX2010U12 | GX2092U12 | GX2005U12 | GX2006U12 | GX2007U12 | GX2008U12 | GX2003U12 |



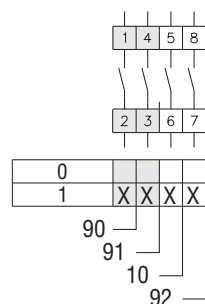
Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47)Ⓛ

| ANSCHLUSSPLÄNE | | | | 290 | 291 | 210 | 292 | 305 | 306 | 307 | 308 | 303 |
|----------------|---------------|---|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | [mm] | | | | | | | | | | | |
| GF... | □30 | 10 | 10 | GF1090U47 | GF1091U47 | GF1010U47 | GF1092U47 | GF1005U47 | GF1006U47 | GF1007U47 | GF1008U47 | GF1003U47 |
| | □48 | 20 | 15 | GF2090U47 | GF2091U47 | GF2010U47 | GF2092U47 | GF2005U47 | GF2006U47 | GF2007U47 | GF2008U47 | GF2003U47 |
| 7GN... | □48 | 16 | 15 | 7GN1290U47 | 7GN1291U47 | 7GN1210U47 | 7GN1292U47 | 7GN1205U47 | 7GN1206U47 | 7GN1207U47 | 7GN1208U47 | 7GN1203U47 |
| | | 20 | 20 | 7GN2090U47 | 7GN2091U47 | 7GN2010U47 | 7GN2092U47 | 7GN2005U47 | 7GN2006U47 | 7GN2007U47 | 7GN2008U47 | 7GN2003U47 |
| | | 25 | 30 | 7GN2590U47 | 7GN2591U47 | 7GN2510U47 | 7GN2592U47 | 7GN2505U47 | 7GN2506U47 | 7GN2507U47 | 7GN2508U47 | 7GN2503U47 |
| GX... | □48 | 16 | 12 | GX1690U47 | GX1691U47 | GX1610U47 | GX1692U47 | GX1605U47 | GX1606U47 | GX1607U47 | GX1608U47 | GX1603U47 |
| | | 20 | 15 | GX2090U47 | GX2091U47 | GX2010U47 | GX2092U47 | GX2005U47 | GX2006U47 | GX2007U47 | GX2008U47 | GX2003U47 |

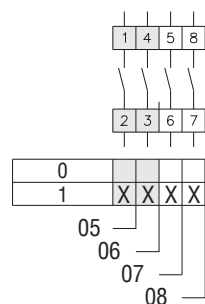
- Ⓛ Bei Version mit Frontplatte U12 durch U29 ersetzen (z.B. GF2090U29)
- Ⓛ Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-1 den Buchstaben C hinzufügen (z.B. GF20C90U12). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. GF20D90U12)
- Ⓛ Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. GF20C05U12)
- Ⓛ Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF2090U29D)

ANSCHLUSSPLÄNE

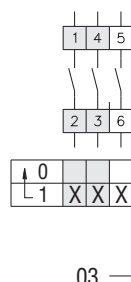
90-91-10-92



05-06-07-08



03



SCHALTER



Ausführung für Tafelbau mit schwarzem Griff (0)

| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 305 | 306 | 307 | 308 | 303 |
|----------------|--------------------|-------------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | | | | GF... | 7GN... | GX... | GN... | GF... | 7GN... | GX... | GN... | GF... |
| | 48 | 20 | 15 | GF20900 | GF20910 | GF20100 | GF20920 | GF20050 | GF20060 | GF20070 | GF20080 | GF20030 |
| 7GN... | 48 | 16 | 15 | 7GN12900 | 7GN12910 | 7GN12100 | 7GN12920 | 7GN12050 | 7GN12060 | 7GN12070 | 7GN12080 | 7GN12030 |
| | | 20 | 20 | 7GN20900 | 7GN20910 | 7GN20100 | 7GN20920 | 7GN20050 | 7GN20060 | 7GN20070 | 7GN20080 | 7GN20030 |
| | | 25 | 30 | 7GN25900 | 7GN25910 | 7GN25100 | 7GN25920 | 7GN25050 | 7GN25060 | 7GN25070 | 7GN25080 | 7GN25030 |
| | 65 | 32 | 40 | 7GN32900 | 7GN32910 | 7GN32100 | 7GN32920 | 7GN32050 | 7GN32060 | 7GN32070 | 7GN32080 | 7GN32030 |
| | | 40 | 50 | 7GN40900 | 7GN40910 | 7GN40100 | 7GN40920 | 7GN40050 | 7GN40060 | 7GN40070 | 7GN40080 | 7GN40030 |
| | 90 | 125 | 130 | — | — | 7GN63100 | 7GN63920 | — | — | 7GN63070 | 7GN63080 | 7GN63030 |
| GX... | 48 | 16 | 12 | GX16900 | GX16910 | GX16100 | GX16920 | GX16050 | GX16060 | GX16070 | GX16080 | GX16030 |
| | | 20 | 15 | GX20900 | GX20910 | GX20100 | GX20920 | GX20050 | GX20060 | GX20070 | GX20080 | GX20030 |
| | 65 | 32 | 32 | GX32900 | GX32910 | GX32100 | GX32920 | GX32050 | GX32060 | GX32070 | GX32080 | GX32030 |
| | | 40 | 40 | GX40900 | GX40910 | GX40100 | GX40920 | GX40050 | GX40060 | GX40070 | GX40080 | GX40030 |
| GN... | 132 | 200 | 200 | — | — | GN200100 | GN200920 | — | — | GN200070 | GN200080 | GN200030 |
| | | 315 | 255 | — | — | GN315100 | GN315920 | — | — | GN315070 | GN315080 | GN315030 |



Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)

| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 305 | 306 | 307 | 308 |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | 7GN... | GX... | GF... | 7GN... | GX... | GF... | 7GN... |
| GF... | 45x54 | 20 | 15 | GF2090048 | GF2091048 | GF2010048 | GF2092048 | GF2005048 | GF2006048 | GF2007048 | GF2008048 |
| 7GN... | 45x54 | 16 | 15 | 7GN1290048 | 7GN1291048 | 7GN1210048 | 7GN1292048 | 7GN1205048 | 7GN1206048 | 7GN1207048 | 7GN1208048 |
| | | 20 | 20 | 7GN2090048 | 7GN2091048 | 7GN2010048 | 7GN2092048 | 7GN2005048 | 7GN2006048 | 7GN2007048 | 7GN2008048 |
| | | 25 | 30 | 7GN2590048 | 7GN2591048 | 7GN2510048 | 7GN2592048 | 7GN2505048 | 7GN2506048 | 7GN2507048 | 7GN2508048 |
| GX... | 45x54 | 16 | 12 | GX1690048 | GX1691048 | GX1610048 | GX1692048 | GX1605048 | GX1606048 | GX1607048 | GX1608048 |
| | | 20 | 15 | GX2090048 | GX2091048 | GX2010048 | GX2092048 | GX2005048 | GX2006048 | GX2007048 | GX2008048 |

- 1 Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-I den Buchstaben C hinzufügen (z.B. GF20C900). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. GF20D900)
- 2 Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF2090049)
- 3 Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. GF20C050)

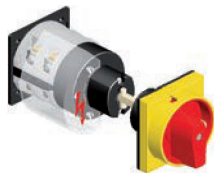
Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

SCHALTER

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen (088)



| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 05 | 06 | 07 | 08 |
|----------------|---------------|---------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. | Konvent. therm. Strom Ith | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | □48 | 20 | 15 | GF2090088 | GF2091088 | GF2010088 | GF2092088 | GF2005088 | GF2006088 | GF2007088 | GF2008088 |
| 7GN... | □65 | 16 | 15 | 7GN1290088 | 7GN1291088 | 7GN1210088 | 7GN1292088 | 7GN1205088 | 7GN1206088 | 7GN1207088 | 7GN1208088 |
| | | 20 | 20 | 7GN2090088 | 7GN2091088 | 7GN2010088 | 7GN2092088 | 7GN2005088 | 7GN2006088 | 7GN2007088 | 7GN2008088 |
| | | 25 | 30 | 7GN2590088 | 7GN2591088 | 7GN2510088 | 7GN2592088 | 7GN2505088 | 7GN2506088 | 7GN2507088 | 7GN2508088 |
| | | 32 | 40 | 7GN3290088 | 7GN3291088 | 7GN3210088 | 7GN3292088 | 7GN3205088 | 7GN3206088 | 7GN3207088 | 7GN3208088 |
| | | 40 | 50 | 7GN4090088 | 7GN4091088 | 7GN4010088 | 7GN4092088 | 7GN4005088 | 7GN4006088 | 7GN4007088 | 7GN4008088 |
| GX... | □48 | 16 | 12 | GX1690088 | GX1691088 | GX1610088 | GX1692088 | GX1605088 | GX1606088 | GX1607088 | GX1608088 |
| | | 20 | 15 | GX2090088 | GX2091088 | GX2010088 | GX2092088 | GX2005088 | GX2006088 | GX2007088 | GX2008088 |
| | □65 | 32 | 32 | GX3290088 | GX3291088 | GX3210088 | GX3292088 | GX3205088 | GX3206088 | GX3207088 | GX3208088 |
| | | 40 | 40 | GX4090088 | GX4091088 | GX4010088 | GX4092088 | GX4005088 | GX4006088 | GX4007088 | GX4008088 |

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen (098)

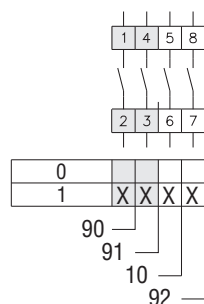


| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 05 | 06 | 07 | 08 |
|----------------|---------------|---------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. | Konvent. therm. Strom Ith | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| 7GN... | □65 | 16 | 15 | 7GN1290098 | 7GN1291098 | 7GN1210098 | 7GN1292098 | 7GN1205098 | 7GN1206098 | 7GN1207098 | 7GN1208098 |
| | | 20 | 20 | 7GN2090098 | 7GN2091098 | 7GN2010098 | 7GN2092098 | 7GN2005098 | 7GN2006098 | 7GN2007098 | 7GN2008098 |
| | | 25 | 30 | 7GN2590098 | 7GN2591098 | 7GN2510098 | 7GN2592098 | 7GN2505098 | 7GN2506098 | 7GN2507098 | 7GN2508098 |
| | | 32 | 40 | 7GN3290098 | 7GN3291098 | 7GN3210098 | 7GN3292098 | 7GN3205098 | 7GN3206098 | 7GN3207098 | 7GN3208098 |
| | | 40 | 50 | 7GN4090098 | 7GN4091098 | 7GN4010098 | 7GN4092098 | 7GN4005098 | 7GN4006098 | 7GN4007098 | 7GN4008098 |
| | | 63 | 60 | — | — | 7GN6310098 | 7GN6392098 | — | — | 7GN6307098 | 7GN6308098 |

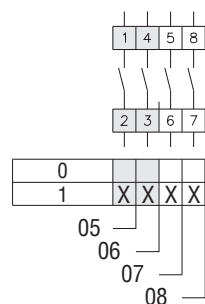
1 Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-1 den Buchstaben C hinzufügen (z.B. GF20C90088). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. GF20D90088)
 2 Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. GF20C05088)

ANSCHLUSSPLÄNE

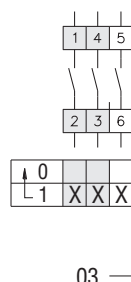
90-91-10-92



05-06-07-08



03



SCHALTER

Ausführung im Kunststoffgehäuse mit schwarzem Griff (P)
Ausführung im Metallgehäuse mit schwarzem Griff (L)



| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 205 | 206 | 207 | 208 | 203 |
|----------------|-------------------|-------------------------------|-----------------------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 3 |
| Serie | Maße Gehäuse [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| 7GN... | 75x75 | 16 | 15 | 7GN1290P | 7GN1291P | 7GN1210P | 7GN1292P | 7GN1205P | 7GN1206P | 7GN1207P | 7GN1208P | 7GN1203P |
| | | 20 | 20 | 7GN2090P | 7GN2091P | 7GN2010P | 7GN2092P | 7GN2005P | 7GN2006P | 7GN2007P | 7GN2008P | 7GN2003P |
| | | 25 | 30 | 7GN2590P | 7GN2591P | 7GN2510P | 7GN2592P | 7GN2505P | 7GN2506P | 7GN2507P | 7GN2508P | 7GN2503P |
| | 90x90 | 32 | 40 | 7GN3290P | 7GN3291P | 7GN3210P | 7GN3292P | 7GN3205P | 7GN3206P | 7GN3207P | 7GN3208P | 7GN3203P |
| | 110x110 | 40 | 50 | 7GN4090P | 7GN4091P | 7GN4010P | 7GN4092P | 7GN4005P | 7GN4006P | 7GN4007P | 7GN4008P | 7GN4003P |
| | 125x175 | 63 | 60 | — | — | 7GN6310P | 7GN6392P | — | — | 7GN6307P | 7GN6308P | 7GN6303P |
| 180x254 | 125 | 130 | — | — | 7GN12510P | 7GN12592P | — | — | 7GN12507P | 7GN12508P | 7GN12503P | |
| GX... | 90x90 | 16 | 12 | GX1690P | GX1691P | GX1610P | GX1692P | GX1605P | GX1606P | GX1607P | GX1608P | GX1603P |
| | | 20 | 15 | GX2090P | GX2091P | GX2010P | GX2092P | GX2005P | GX2006P | GX2007P | GX2008P | GX2003P |
| | 110x110 | 32 | 32 | GX3290P | GX3291P | GX3210P | GX3292P | GX3205P | GX3206P | GX3207P | GX3208P | GX3203P |
| | | 40 | 40 | GX4090P | GX4091P | GX4010P | GX4092P | GX4005P | GX4006P | GX4007P | GX4008P | GX4003P |
| GN... | 250x316 | 200 | 200 | — | — | GN20010L | GN20092L | — | — | GN20007L | GN20008L | GN20003L |
| | | 315 | 255 | — | — | GN31510L | GN31592L | — | — | GN31507L | GN31508L | GN31503L |

Ausführung im Kunststoffgehäuse mit rot/gelbem Griff (P25)



| ANSCHLUSSPLÄNE | | | | 190 | 191 | 110 | 192 | 205 | 206 | 207 | 208 |
|----------------|-------------------|-------------------------------|-----------------------|------------|-------------|------------|------------|------------|-------------|-------------|------------|
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Gehäuse [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| 7GN... | 75x75 oder 90x90 | 16 | 15 | 7GN1290P25 | 7GN1291P25 | 7GN1210P25 | 7GN1292P25 | 7GN1205P25 | 7GN1206P25 | 7GN1207P25 | 7GN1208P25 |
| | | 20 | 20 | 7GN2090P25 | 7GN2091P25 | 7GN2010P25 | 7GN2092P25 | 7GN2005P25 | 7GN2006P25 | 7GN2007P25 | 7GN2008P25 |
| | | 25 | 30 | 7GN2590P25 | 7GN2591P25 | 7GN2510P25 | 7GN2592P25 | 7GN2505P25 | 7GN2506P25 | 7GN2507P25 | 7GN2508P25 |
| | 90x90 | 32 | 40 | 7GN3290P25 | 7GN3291P25 | 7GN3210P25 | 7GN3292P25 | 7GN3205P25 | 7GN3206P25 | 7GN3207P25 | 7GN3208P25 |
| | 110x110 | 40 | 50 | 7GN4090P25 | 7GN4091P25 | 7GN4010P25 | 7GN4092P25 | 7GN4005P25 | 7GN4006P25 | 7GN4007P25 | 7GN4008P25 |
| | 125x175 | 63 | 60 | — | — | 7GN6310P25 | 7GN6392P25 | — | — | 7GN6307P25 | 7GN6308P25 |
| 180x254 | 125 | 130 | — | — | 7GN12510P25 | — | — | — | 7GN12507P25 | 7GN12508P25 | |
| GX... | 90x90 | 16 | 12 | GX1690P25 | GX1691P25 | GX1610P25 | GX1692P25 | GX1605P25 | GX1606P25 | GX1607P25 | GX1608P25 |
| | | 20 | 15 | GX2090P25 | GX2091P25 | GX2010P25 | GX2092P25 | GX2005P25 | GX2006P25 | GX2007P25 | GX2008P25 |
| | 110x110 | 32 | 32 | GX3290P25 | GX3291P25 | GX3210P25 | GX3292P25 | GX3205P25 | GX3206P25 | GX3207P25 | GX3208P25 |
| | | 40 | 40 | GX4090P25 | GX4091P25 | GX4010P25 | GX4092P25 | GX4005P25 | GX4006P25 | GX4007P25 | GX4008P25 |

- 1 Standardversion mit Frontplatte 0-1. Bei Version mit Frontplatte 0-1 den Buchstaben C hinzufügen (z.B. 7GN12C90P). Bei Version mit Frontplatte OFF-ON den Buchstaben D hinzufügen (z.B. 7GN12D90P)
- 2 Bei Version mit Frontplatte OFF-ON den Buchstaben C hinzufügen (z.B. 7GN12C05P)
- 3 Das Standardgehäuse hat die Maße 90x90mm. Das 75x75mm Gehäuse können Sie bestellen, indem Sie das Kürzel B0 am Ende der Artikelbezeichnung hinzufügen, z.B. 7GN1290P25B0.

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

UMSCHALTER UND WECHSELSCHALTER

Ausführung für Fronteinbau mit schwarzem Griff (U)



| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|----------|----------|--------------------|--------------------|--------------------|--------------------|
| ANSCHLUSSPLÄNE | | | | 51 | 52 | 53 | 75 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | □30 □48 | 10 20 | 10 15 | GF1051U GF2051U | GF1052U GF2052U | GF1053U GF2053U | GF1075U GF2075U |
| 7GN... | □48 | 16 | 15 | 7GN1251U | 7GN1252U | 7GN1253U | 7GN1275U | 7GN1254U | 7GN1255U | 7GN1256U | 7GN1269U |
| | | 20 | 20 | 7GN2051U | 7GN2052U | 7GN2053U | 7GN2075U | 7GN2054U | 7GN2055U | 7GN2056U | 7GN2069U |
| | | 25 | 30 | 7GN2551U | 7GN2552U | 7GN2553U | 7GN2575U | 7GN2554U | 7GN2555U | 7GN2556U | 7GN2569U |
| | □65 | 32 | 40 | 7GN3251U | 7GN3252U | 7GN3253U | 7GN3275U | 7GN3254U | 7GN3255U | 7GN3256U | 7GN3269U |
| | | 40 | 50 | 7GN4051U | 7GN4052U | 7GN4053U | 7GN4075U | 7GN4054U | 7GN4055U | 7GN4056U | 7GN4069U |
| □90 | 125 | 130 | — | 7GN6352U | 7GN6353U | 7GN6375U | — | 7GN6355U | 7GN6356U | 7GN6369U | |
| GX... | □48 | 16 | 12 | GX1651U | GX1652U | GX1653U | GX1675U | GX1654U | GX1655U | GX1656U | GX1669U |
| | | 20 | 15 | GX2051U | GX2052U | GX2053U | GX2075U | GX2054U | GX2055U | GX2056U | GX2069U |
| | □65 | 32 | 32 | GX3251U | GX3252U | GX3253U | GX3275U | GX3254U | GX3255U | GX3256U | GX3269U |
| GN... | □132 | 200 | 200 | — | GN20052U | GN20053U | GN20075U | — | GN20055U | GN20056U | GN20069U |
| | | 315 | 255 | — | GN31552U | GN31553U | GN31575U | — | GN31555U | GN31556U | GN31569U |

Ausführung für Fronteinbau mit schwarzem Griff, ohne Frontplatte, Befestigung in Ø22mm Bohrung (U11)

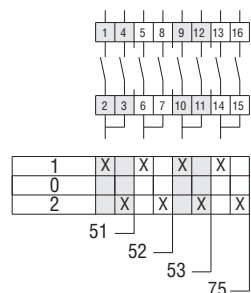


| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|-----------------|------------|------------|------------|
| ANSCHLUSSPLÄNE | | | | 51 | 52 | 53 | 75 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF | — | 20 | 15 | GF2051U11 | GF2052U11 | GF2053U11 | GF2075U11 |
| 7GN... | — | 16 | 15 | 7GN1251U11 | 7GN1252U11 | 7GN1253U11 | 7GN1275U11 | 7GN1254U11 | 7GN1255U11 | 7GN1256U11 | 7GN1269U11 |
| | | 20 | 20 | 7GN2051U11 | 7GN2052U11 | 7GN2053U11 | 7GN2075U11 | 7GN2054U11 | 7GN2055U11 | 7GN2056U11 | 7GN2069U11 |
| | | 25 | 30 | 7GN2551U11 | 7GN2552U11 | 7GN2553U11 | 7GN2575U11 | 7GN2554U11 | 7GN2555U11 | 7GN2556U11 | 7GN2569U11 |
| GX... | — | 16 | 12 | GX1651U11 | GX1652U11 | GX1653U11 | GX1675U11 | GX1654U11 | GX1655U11 | GX1656U11 | GX1669U11 |
| | | 20 | 15 | GX2051U11 | GX2052U11 | GX2053U11 | GX2075U11 | GX2054U11 | GX2055U11 | GX2056U11 | GX2069U11 |

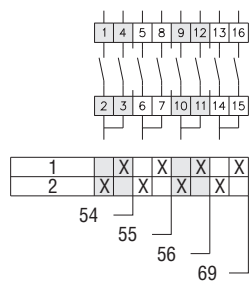
Bei Version mit Frontplatte MAN-O-AUTO den Buchstaben D hinzufügen (z.B. GF10D51U)

ANSCHLUSSPLÄNE

51-52-53-75



54-55-56-69



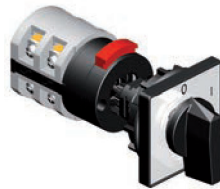
UMSCHALTER UND WECHSELSCHALTER

Ausführung für Fronteinbau ohne Frontplatte, mit Schlüssel, Befestigung in Ø22mm Bohrung (U12)❶



| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|-----------------|------------|------------|------------|
| ANSCHLUSSPLÄNE | | | | 51 | 52 | 53 | 75 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF | — | 20 | 15 | GF2051U12 | GF2052U12 | GF2053U12 | GF2075U12 |
| 7GN... | — | 16 | 15 | 7GN1251U12 | 7GN1252U12 | 7GN1253U12 | 7GN1275U12 | 7GN1254U12 | 7GN1255U12 | 7GN1256U12 | 7GN1269U12 |
| | | 20 | 20 | 7GN2051U12 | 7GN2052U12 | 7GN2053U12 | 7GN2075U12 | 7GN2054U12 | 7GN2055U12 | 7GN2056U12 | 7GN2069U12 |
| | | 25 | 30 | 7GN2551U12 | 7GN2552U12 | 7GN2553U12 | 7GN2575U12 | 7GN2554U12 | 7GN2555U12 | 7GN2556U12 | 7GN2569U12 |
| GX... | — | 16 | 12 | GX1651U12 | GX1652U12 | GX1653U12 | GX1675U12 | GX1654U12 | GX1655U12 | GX1656U12 | GX1669U12 |
| | | 20 | 15 | GX2051U12 | GX2052U12 | GX2053U12 | GX2075U12 | GX2054U12 | GX2055U12 | GX2056U12 | GX2069U12 |

Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47)❷



| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|--------------------|-------------------------------|-----------------------|------------|------------|------------|------------|-----------------|------------|------------|------------|
| ANSCHLUSSPLÄNE | | | | 51 | 52 | 53 | 75 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF | □30 | 10 | 10 | GF1051U47 | GF1052U47 | GF1053U47 | GF1075U47 |
| □48 | 20 | 15 | GF2051U47 | | GF2052U47 | GF2053U47 | GF2075U47 | GF2054U47 | GF2055U47 | GF2056U47 | GF2069U47 |
| 7GN... | □48 | 16 | 15 | 7GN1251U47 | 7GN1252U47 | 7GN1253U47 | 7GN1275U47 | 7GN1254U47 | 7GN1255U47 | 7GN1256U47 | 7GN1269U47 |
| | | 20 | 20 | 7GN2051U47 | 7GN2052U47 | 7GN2053U47 | 7GN2075U47 | 7GN2054U47 | 7GN2055U47 | 7GN2056U47 | 7GN2069U47 |
| | | 25 | 30 | 7GN2551U47 | 7GN2552U47 | 7GN2553U47 | 7GN2575U47 | 7GN2554U47 | 7GN2555U47 | 7GN2556U47 | 7GN2569U47 |
| GX... | □48 | 16 | 12 | GX1651U47 | GX1652U47 | GX1653U47 | GX1675U47 | GX1654U47 | GX1655U47 | GX1656U47 | GX1669U47 |
| | | 20 | 15 | GX2051U47 | GX2052U47 | GX2053U47 | GX2075U47 | GX2054U47 | GX2055U47 | GX2056U47 | GX2069U47 |

- ❶ Bei Version mit Frontplatte U12 durch U29 ersetzen (z.B. GF2051U29)
- ❷ Bei Version mit Frontplatte MAN-O-AUTO den Buchstaben D hinzufügen (z.B. GF20D51U12)
- ❸ Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF2051U29D)

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power | |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|---------------------|---------------|
| | | | 1-phasig | | 3-phasig | | | 1-phasig | 3-phasig |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | [kW] bei 230V | [kW] bei 400V |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power | |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|---------------------|---------------|
| | | | 1-phasig | | 3-phasig | | | 1-phasig | 3-phasig |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | [kW] bei 230V | [kW] bei 400V |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

UMSCHALTER UND WECHSELSCHALTER

Ausführung für Tafelbau mit schwarzem Griff (0)



| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|-----------------------|----------------------------------|--------------------------|------------|----------|----------|----------|-----------------|----------|----------|----------|
| ANSCHLUSSPLÄNE | | | | 151 | 152 | 153 | 175 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | 48 | 20 | 15 | GF20510 | GF20520 | GF20530 | GF20750 |
| 7GN... | 48 | 16 | 15 | 7GN12510 | 7GN12520 | 7GN12530 | 7GN12750 | 7GN12540 | 7GN12550 | 7GN12560 | 7GN12690 |
| | | 20 | 20 | 7GN20510 | 7GN20520 | 7GN20530 | 7GN20750 | 7GN20540 | 7GN20550 | 7GN20560 | 7GN20690 |
| | | 25 | 30 | 7GN25510 | 7GN25520 | 7GN25530 | 7GN25750 | 7GN25540 | 7GN25550 | 7GN25560 | 7GN25690 |
| | 65 | 32 | 40 | 7GN32510 | 7GN32520 | 7GN32530 | 7GN32750 | 7GN32540 | 7GN32550 | 7GN32560 | 7GN32690 |
| | | 40 | 50 | 7GN40510 | 7GN40520 | 7GN40530 | 7GN40750 | 7GN40540 | 7GN40550 | 7GN40560 | 7GN40690 |
| 90 | 125 | 130 | — | 7GN63520 | 7GN63530 | 7GN63750 | — | 7GN63550 | 7GN63560 | 7GN63690 | |
| GX... | 48 | 16 | 12 | GX16510 | GX16520 | GX16530 | GX16750 | GX16540 | GX16550 | GX16560 | GX16690 |
| | | 20 | 15 | GX20510 | GX20520 | GX20530 | GX20750 | GX20540 | GX20550 | GX20560 | GX20690 |
| | 65 | 32 | 32 | GX32510 | GX32520 | GX32530 | GX32750 | GX32540 | GX32550 | GX32560 | GX32690 |
| GN... | 132 | 200 | 200 | — | GN200520 | GN200530 | GN200750 | — | GN200550 | GN200560 | GN200690 |
| | | 315 | 255 | — | GN315520 | GN315530 | GN315750 | — | GN315550 | GN315560 | GN315690 |



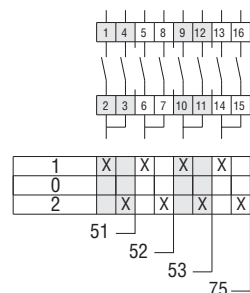
Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)e

| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|-----------------------|----------------------------------|--------------------------|------------|------------|------------|------------|-----------------|------------|------------|------------|
| ANSCHLUSSPLÄNE | | | | 151 | 152 | 153 | 175 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF | 45x54 | 20 | 15 | GF2051048 | GF2052048 | GF2053048 | GF2075048 |
| 7GN... | 45x54 | 16 | 15 | 7GN1251048 | 7GN1252048 | 7GN1253048 | 7GN1275048 | 7GN1254048 | 7GN1255048 | 7GN1256048 | 7GN1269048 |
| | | 20 | 20 | 7GN2051048 | 7GN2052048 | 7GN2053048 | 7GN2075048 | 7GN2054048 | 7GN2055048 | 7GN2056048 | 7GN2069048 |
| | | 25 | 30 | 7GN2551048 | 7GN2552048 | 7GN2553048 | 7GN2575048 | 7GN2554048 | 7GN2555048 | 7GN2556048 | 7GN2569048 |
| GX... | 45x54 | 16 | 12 | GX1651048 | GX1652048 | GX1653048 | GX1675048 | GX1654048 | GX1655048 | GX1656048 | GX1669048 |
| | | 20 | 15 | GX2051048 | GX2052048 | GX2053048 | GX2075048 | GX2054048 | GX2055048 | GX2056048 | GX2069048 |

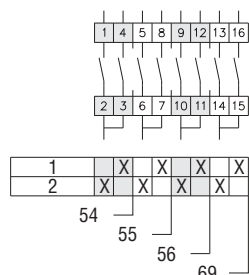
- 1 Bei Version mit Frontplatte MAN-O-AUTO den Buchstaben D hinzufügen (z.B. GF20D510)
- e Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF2051049)

ANSCHLUSSPLÄNE

51-52-53-75



54-55-56-69



UMSCHALTER UND WECHSELSCHALTER

Ausführung im Kunststoffgehäuse mit schwarzem Griff (P)
Ausführung im Metallgehäuse mit schwarzem Griff (L)



| Typ | | | | Umschalter | | | | Wechselschalter | | | |
|----------------|----------------------|----------------------------------|--------------------------|------------|-----------|----------------|----------------|----------------------------------|----------------------------------|----------------------------------|---|
| ANSCHLUSSPLÄNE | | | | 151 | 152 | 153 | 175 | 54 | 55 | 56 | 69 |
| Pole | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Serie | Maße Gehäuse [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | 7GN... | 75x75 | 16 20 25 | 15 20 30 | 7GN1251P 7GN2051P 7GN2551P | 7GN1252P 7GN2052P 7GN2552P | 7GN1253P 7GN2053P 7GN2553P | 7GN1275P 7GN2075P 7GN2575P [Ⓜ] |
| | 90x90 | 32 | 40 | 7GN3251P | 7GN3252P | 7GN3253P | 7GN3275P | 7GN3254P | 7GN3255P | 7GN3256P | 7GN3269P |
| | 110x110 | 40 | 50 | 7GN4051P | 7GN4052P | 7GN4053P | 7GN4075P | 7GN4054P | 7GN4055P | 7GN4056P | 7GN4069P |
| | 125x175 | 63 | 60 | — | 7GN6352P | 7GN6353P | 7GN6375P | — | 7GN6355P | 7GN6356P | 7GN6369P |
| | 180X254 | 125 | 130 | — | 7GN12552P | 7GN12553P | 7GN12575P | — | 7GN12555P | 7GN12556P | 7GN12569P |
| GX... | 90x90 | 16 | 12 | GX1651P | GX1652P | GX1653P | GX1675P | GX1654P | GX1655P | GX1656P | GX1669P |
| | | 20 | 15 | GX2051P | GX2052P | GX2053P | GX2075P | GX2054P | GX2055P | GX2056P | GX2069P |
| | 110x110 | 32 | 32 | GX3251P | GX3252P | GX3253P | GX3275P | GX3254P | GX3255P | GX3256P | GX3269P |
| | | 40 | 40 | GX4051P | GX4052P | GX4053P | GX4075P | GX4054P | GX4055P | GX4056P | GX4069P |
| GN... | 250x316 | 200 | 200 | — | GN20052L | GN20053L | GN20075L | — | GN20055L | GN20056L | GN20069L |
| | | 315 | 255 | — | GN31552L | GN31553L | GN31575L | — | GN31555L | GN31556L | GN31569L |

- Ⓜ Bei Version mit Frontplatte MAN-O-AUTO den Buchstaben D hinzufügen (z.B. 7GN12D51P)
- Ⓜ Abmessungen des Gehäuses 90x90mm

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|----------------------------------|--------------------------|------------------------|-----------|-----------|-----------|-----------|---|---|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|----------------------------------|--------------------------|------------------------|-----------|-----------|-----------|-----------|---|---|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

START BEI 1

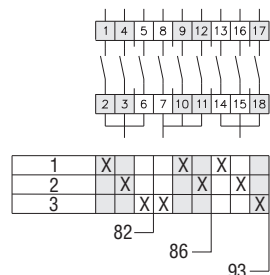


Ausführung für Fronteinbau mit schwarzem Griff (U)

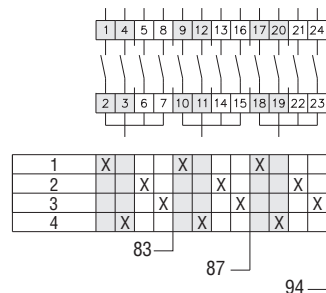
| ANSCHLUSSPLÄNE | | | | 82 | 86 | 93 | 83 | 87 | 94 | 84 | 85 | |
|----------------|-----------------------|--|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | | | | GF... | □30 | 10 | 10 | GF1082U | GF1086U | GF1093U | GF1083U | GF1087U |
| | □48 | 20 | 15 | GF2082U | GF2086U | GF2093U | GF2083U | GF2087U | GF2094U | GF2084U | GF2085U | |
| 7GN... | □48 | 16 | 15 | 7GN1282U | 7GN1286U | 7GN1293U | 7GN1283U | 7GN1287U | 7GN1294U | 7GN1284U | 7GN1285U | |
| | | 20 | 20 | 7GN2082U | 7GN2086U | 7GN2093U | 7GN2083U | 7GN2087U | 7GN2094U | 7GN2084U | 7GN2085U | |
| | | 25 | 30 | 7GN2582U | 7GN2586U | 7GN2593U | 7GN2583U | 7GN2587U | 7GN2594U | 7GN2584U | 7GN2585U | |
| | □65 | 32 | 40 | 7GN3282U | 7GN3286U | 7GN3293U | 7GN3283U | 7GN3287U | 7GN3294U | 7GN3284U | 7GN3285U | |
| | | 40 | 50 | 7GN4082U | 7GN4086U | 7GN4093U | 7GN4083U | 7GN4087U | 7GN4094U | 7GN4084U | 7GN4085U | |
| | | 63 | 60 | 7GN6382U | 7GN6386U | 7GN6393U | 7GN6383U | 7GN6387U | 7GN6394U | 7GN6384U | 7GN6385U | |
| □90 | 125 | 130 | 7GN12582U | 7GN12586U | 7GN12593U | 7GN12583U | 7GN12587U | 7GN12594U | 7GN12584U | 7GN12585U | | |
| GX... | □48 | 16 | 12 | GX1682U | GX1686U | GX1693U | GX1683U | GX1687U | GX1694U | GX1684U | GX1685U | |
| | | 20 | 15 | GX2082U | GX2086U | GX2093U | GX2083U | GX2087U | GX2094U | GX2084U | GX2085U | |
| | □65 | 32 | 32 | GX3282U | GX3286U | GX3293U | GX3283U | GX3287U | GX3294U | GX3284U | GX3285U | |
| 40 | | 40 | GX4082U | GX4086U | GX4093U | GX4083U | GX4087U | GX4094U | GX4084U | GX4085U | | |
| GN... | □132 | 200 | 200 | GN20082U | GN20086U | GN20093U | GN20083U | GN20087U | GN20094U | GN20084U | GN20085U | |
| | | 315 | 255 | GN31582U | GN31586U | GN31593U | GN31583U | GN31587U | GN31594U | GN31584U | GN31585U | |

ANSCHLUSSPLÄNE

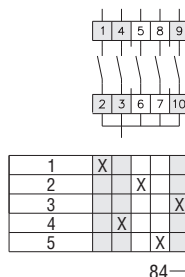
82-86-93



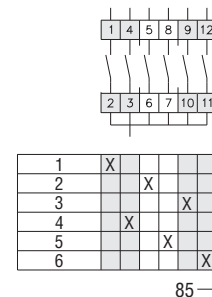
83-87-94



84



85



START BEI 1



Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47) ^①

| ANSCHLUSSPLÄNE | | | | 82 | 86 | 93 | 83 | 87 | 94 | 84 | 85 | |
|----------------|--------------------|---|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | | | | GF... | □30 | 10 | 10 | GF1082U47 | GF1086U47 | GF1093U47 | GF1083U47 | GF1087U47 |
| | □48 | 20 | 15 | GF2082U47 | GF2086U47 | GF2093U47 | GF2083U47 | GF2087U47 | GF2094U47 | GF2084U47 | GF2085U47 | |
| 7GN... | □48 | 16 | 15 | 7GN1282U47 | 7GN1286U47 | 7GN1293U47 | 7GN1283U47 | 7GN1287U47 | 7GN1294U47 | 7GN1284U47 | 7GN1285U47 | |
| | | 20 | 20 | 7GN2082U47 | 7GN2086U47 | 7GN2093U47 | 7GN2083U47 | 7GN2087U47 | 7GN2094U47 | 7GN2084U47 | 7GN2085U47 | |
| | | 25 | 30 | 7GN2582U47 | 7GN2586U47 | 7GN2593U47 | 7GN2583U47 | 7GN2587U47 | 7GN2594U47 | 7GN2584U47 | 7GN2585U47 | |
| GX... | □48 | 16 | 12 | GX1682U47 | GX1686U47 | GX1693U47 | GX1683U47 | GX1687U47 | GX1694U47 | GX1684U47 | GX1685U47 | |
| | | 20 | 15 | GX2082U47 | GX2086U47 | GX2093U47 | GX2083U47 | GX2087U47 | GX2094U47 | GX2084U47 | GX2085U47 | |

① Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF2082U29D)

Technische Eigenschaften

| Serie | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|---|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|---|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

START BEI 1

Ausführung für Tafleinbau mit schwarzem Griff (0)



| ANSCHLUSSPLÄNE | | | | 82 | 86 | 93 | 83 | 87 | 94 | 84 | 85 |
|----------------|-----------------------|--|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | □48 | 20 | 15 | GF20820 | GF20860 | GF20930 | GF20830 |
| 7GN... | □48 | 16 | 15 | 7GN12820 | 7GN12860 | 7GN12930 | 7GN12830 | 7GN12870 | 7GN12940 | 7GN12840 | 7GN12850 |
| | | 20 | 20 | 7GN20820 | 7GN20860 | 7GN20930 | 7GN20830 | 7GN20870 | 7GN20940 | 7GN20840 | 7GN20850 |
| | | 25 | 30 | 7GN25820 | 7GN25860 | 7GN25930 | 7GN25830 | 7GN25870 | 7GN25940 | 7GN25840 | 7GN25850 |
| | □65 | 32 | 40 | 7GN32820 | 7GN32860 | 7GN32930 | 7GN32830 | 7GN32870 | 7GN32940 | 7GN32840 | 7GN32850 |
| | | 40 | 50 | 7GN40820 | 7GN40860 | 7GN40930 | 7GN40830 | 7GN40870 | 7GN40940 | 7GN40840 | 7GN40850 |
| □90 | 125 | 130 | 7GN125820 | 7GN125860 | 7GN125930 | 7GN125830 | 7GN125870 | 7GN125940 | 7GN125840 | 7GN125850 | |
| GX... | □48 | 16 | 12 | GX16820 | GX16860 | GX16930 | GX16830 | GX16870 | GX16940 | GX16840 | GX16850 |
| | | 20 | 15 | GX20820 | GX20860 | GX20930 | GX20830 | GX20870 | GX20940 | GX20840 | GX20850 |
| | □65 | 32 | 32 | GX32820 | GX32860 | GX32930 | GX32830 | GX32870 | GX32940 | GX32840 | GX32850 |
| | | 40 | 40 | GX40820 | GX40860 | GX40930 | GX40830 | GX40870 | GX40940 | GX40840 | GX40850 |
| GN... | □132 | 200 | 200 | GN200820 | GN200860 | GN200930 | GN200830 | GN200870 | GN200940 | GN200840 | GN200850 |
| | | 315 | 255 | GN315820 | GN315860 | GN315930 | GN315830 | GN315870 | GN315940 | GN315840 | GN315850 |

Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)⓪

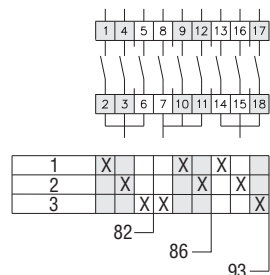


| ANSCHLUSSPLÄNE | | | | 82 | 86 | 93 | 83 | 87 | 94 | 84 | 85 |
|----------------|-----------------------|--|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | GF... | 45x54 | 20 | 15 | GF2082048 | GF2086048 | GF2093048 | GF2083048 |
| 7GN... | 45x54 | 16 | 15 | 7GN1282048 | 7GN1286048 | 7GN1293048 | 7GN1283048 | 7GN1287048 | 7GN1294048 | 7GN1284048 | 7GN1285048 |
| | | 20 | 20 | 7GN2082048 | 7GN2086048 | 7GN2093048 | 7GN2083048 | 7GN2087048 | 7GN2094048 | 7GN2084048 | 7GN2085048 |
| | | 25 | 30 | 7GN2582048 | 7GN2586048 | 7GN2593048 | 7GN2583048 | 7GN2587048 | 7GN2594048 | 7GN2584048 | 7GN2585048 |
| GX... | 45x54 | 16 | 12 | GX1682048 | GX1686048 | GX1693048 | GX1683048 | GX1687048 | GX1694048 | GX1684048 | GX1685048 |
| | | 20 | 15 | GX2082048 | GX2086048 | GX2093048 | GX2083048 | GX2087048 | GX2094048 | GX2084048 | GX2085048 |

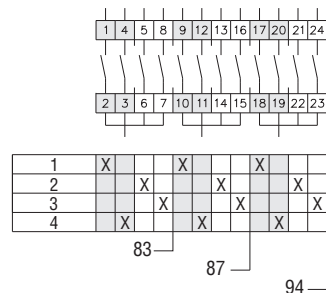
⓪ Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF2082049)

ANSCHLUSSPLÄNE

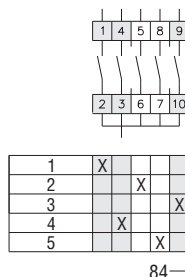
82-86-93



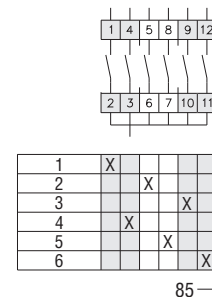
83-87-94



84



85



START BEI 1

Ausführung im Kunststoffgehäuse mit schwarzem Griff (P)

Ausführung im Metallgehäuse mit schwarzem Griff (L)



| ANSCHLUSSPLÄNE | | | | 82 | 86 | 93 | 83 | 87 | 94 | 84 | 85 | |
|----------------|--------------|---------------------------------------|-------------------|-----------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | |
| Serie | Maße Gehäuse | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | | |
| 7GN... | 75x75 | 16 | 15 | 7GN1282P | 7GN1286P | 7GN1293P ^① | 7GN1283P | 7GN1287P | 7GN1294P ^① | 7GN1284P | 7GN1285P | |
| | | 20 | 20 | 7GN2082P | 7GN2086P | 7GN2093P ^① | 7GN2083P | 7GN2087P | 7GN2094P ^① | 7GN2084P | 7GN2085P | |
| | | 25 | 30 | 7GN2582P | 7GN2586P | 7GN2593P ^② | 7GN2583P | 7GN2587P ^① | — | 7GN2584P | 7GN2585P ^① | |
| | 90x90 | 32 | 40 | 7GN3282P | 7GN3286P | 7GN3293P | 7GN3283P | 7GN3287P | 7GN3294P ^① | 7GN3284P | 7GN3285P | |
| | | 110x110 | 40 | 50 | 7GN4082P | 7GN4086P | 7GN4093P | 7GN4083P | 7GN4087P | 7GN4094P ^③ | 7GN4084P | 7GN4085P |
| | | 125x175 | 63 | 60 | 7GN6382P | 7GN6386P | 7GN6393P ^③ | 7GN6383P | 7GN6387P | 7GN6394P ^③ | 7GN6384P | 7GN6385P |
| 180x254 | 125 | 130 | 7GN12582P | 7GN12586P | — | 7GN12583P | 7GN12587P | — | 7GN12584P | — | | |
| GX... | 90x90 | 16 | 12 | GX1682P | GX1686P | GX1693P | GX1683P | GX1687P | GX1694P ^② | GX1684P | GX1685P | |
| | | 20 | 15 | GX2082P | GX2086P | GX2093P | GX2083P | GX2087P | GX2094P ^② | GX2084P | GX2085P | |
| | 110x110 | 32 | 32 | GX3282P | GX3286P | — | GX3283P | GX3287P | — | GX3284P | — | |
| | | 40 | 40 | GX4082P | GX4086P | — | GX4083P | GX4087P | — | GX4084P | — | |
| GN... | 250x316 | 200 | 200 | GN20082L | GN20086L | GN20093L | GN20083L | GN20087L | GN20094L | GN20084L | GN20085L | |
| | | 315 | 255 | GN31582L | GN31586L | GN31593L | GN31583L | GN31587L | GN31594L | GN31584L | GN31585L | |

- ① Abmessungen des Gehäuses 90x90mm
- ② Abmessungen des Gehäuses 110x110mm
- ③ Abmessungen des Gehäuses 180x254mm

Technische Eigenschaften

| Serie | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|---------------------------------------|-------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|---------------------------------------|-------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

START BEI 0



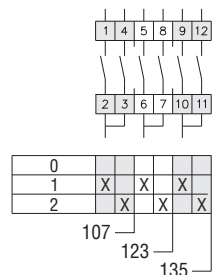
Ausführung für Fronteinbau mit schwarzem Griff (U)

| ANSCHLUSSPLÄNE | | | | 107 | 123 | 135 | 108 | 124 | 136 | 109 | 110 |
|----------------|-------------------|---|---|--|--|--|--|--|--|--|--|
| | | | | Pole 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | □30 □48 | 10 20 | 10 15 | GF10107U GF20107U | GF10123U GF20123U | GF10135U GF20135U | GF10108U GF20108U | GF10124U GF20124U | GF10136U GF20136U | GF10109U GF20109U | GF10110U GF20110U |
| 7GN... | □48 □65 □90 | 16 20 25 32 40 63 125 | 15 20 30 40 50 60 130 | 7GN12107U 7GN20107U 7GN25107U 7GN32107U 7GN40107U 7GN63107U 7GN125107U | 7GN12123U 7GN20123U 7GN25123U 7GN32123U 7GN40123U 7GN63123U 7GN125123U | 7GN12135U 7GN20135U 7GN25135U 7GN32135U 7GN40135U 7GN63135U 7GN125135U | 7GN12108U 7GN20108U 7GN25108U 7GN32108U 7GN40108U 7GN63108U 7GN125108U | 7GN12124U 7GN20124U 7GN25124U 7GN32124U 7GN40124U 7GN63124U 7GN125124U | 7GN12136U 7GN20136U 7GN25136U 7GN32136U 7GN40136U 7GN63136U 7GN125136U | 7GN12109U 7GN20109U 7GN25109U 7GN32109U 7GN40109U 7GN63109U 7GN125109U | 7GN12110U 7GN20110U 7GN25110U 7GN32110U 7GN40110U 7GN63110U 7GN125110U |
| GX... | □48 □65 | 16 20 32 40 | 12 15 32 40 | GX16107U GX20107U GX32107U GX40107U | GX16123U GX20123U GX32123U GX40123U | GX16135U GX20135U GX32135U GX40135U | GX16108U GX20108U GX32108U GX40108U | GX16124U GX20124U GX32124U GX40124U | GX16136U GX20136U GX32136U GX40136U | GX16109U GX20109U GX32109U GX40109U | GX16110U GX20110U GX32110U GX40110U |
| GN... | □132 | 200 315 | 200 255 | GN200107U GN315107U | GN200123U GN315123U | GN200135U GN315135U | GN200108U GN315108U | GN200124U GN315124U | GN200136U GN315136U | GN200109U GN315109U | GN200110U GN315110U |

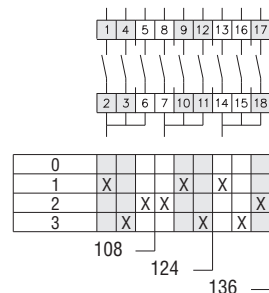
- ① Frontplatte für GF..., 7GN12...7GN63..., GX..., GN...
- ② Frontplatte für 7GN125...

ANSCHLUSSPLÄNE

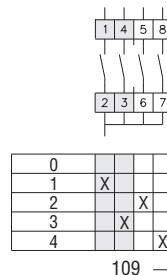
107-123-135



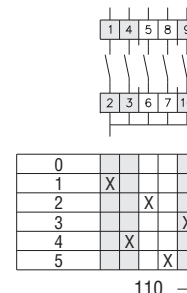
108-124-136



109



110



START BEI 0



Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47) ¹

| ANSCHLUSSPLÄNE | | | | 107 | 123 | 135 | 108 | 124 | 136 | 109 | 110 | |
|----------------|--------------------|---|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | | |
| | | | | GF... | □30 | 10 | 10 | GF10107U47 | GF10123U47 | GF10135U47 | GF10108U47 | GF10124U47 |
| | □48 | 20 | 15 | GF20107U47 | GF20123U47 | GF20135U47 | GF20108U47 | GF20124U47 | GF20136U47 | GF20109U47 | GF20110U47 | |
| 7GN... | □48 | 16 | 15 | 7GN12107U47 | 7GN12123U47 | 7GN12135U47 | 7GN12108U47 | 7GN12124U47 | 7GN12136U47 | 7GN12109U47 | 7GN12110U47 | |
| | | 20 | 20 | 7GN20107U47 | 7GN20123U47 | 7GN20135U47 | 7GN20108U47 | 7GN20124U47 | 7GN20136U47 | 7GN20109U47 | 7GN20110U47 | |
| | | 25 | 30 | 7GN25107U47 | 7GN25123U47 | 7GN25135U47 | 7GN25108U47 | 7GN25124U47 | 7GN25136U47 | 7GN25109U47 | 7GN25110U47 | |
| GX... | □48 | 16 | 12 | GX16107U47 | GX16123U47 | GX16135U47 | GX16108U47 | GX16124U47 | GX16136U47 | GX16109U47 | GX16110U47 | |
| | | 20 | 15 | GX20107U47 | GX20123U47 | GX20135U47 | GX20108U47 | GX20124U47 | GX20136U47 | GX20109U47 | GX20110U47 | |

¹ Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF20107U29D)

Technische Eigenschaften

| Serie | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|---|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|---|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

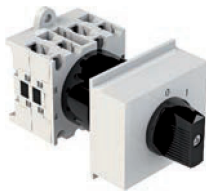
START BEI 0

Ausführung für Tafleinbau mit schwarzem Griff (0)



| ANSCHLUSSPLÄNE | | | | 107 | 123 | 135 | 108 | 124 | 136 | 109 | 110 |
|----------------|---------------|---------------------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | □48 | 20 | 15 | GF201070 | GF201230 | GF201350 | GF201080 | GF201240 | GF201360 | GF201090 | GF201100 |
| 7GN... | □48 | 16 | 15 | 7GN121070 | 7GN121230 | 7GN121350 | 7GN121080 | 7GN121240 | 7GN121360 | 7GN121090 | 7GN121100 |
| | | 20 | 20 | 7GN201070 | 7GN201230 | 7GN201350 | 7GN201080 | 7GN201240 | 7GN201360 | 7GN201090 | 7GN201100 |
| | | 25 | 30 | 7GN251070 | 7GN251230 | 7GN251350 | 7GN251080 | 7GN251240 | 7GN251360 | 7GN251090 | 7GN251100 |
| | □65 | 32 | 40 | 7GN321070 | 7GN321230 | 7GN321350 | 7GN321080 | 7GN321240 | 7GN321360 | 7GN321090 | 7GN321100 |
| | | 40 | 50 | 7GN401070 | 7GN401230 | 7GN401350 | 7GN401080 | 7GN401240 | 7GN401360 | 7GN401090 | 7GN401100 |
| □90 | 125 | 130 | 7GN1251070 | 7GN1251230 | 7GN1251350 | 7GN1251080 | 7GN1251240 | 7GN1251360 | 7GN1251090 | 7GN1251100 | |
| GX... | □48 | 16 | 12 | GX161070 | GX161230 | GX161350 | GX161080 | GX161240 | GX161360 | GX161090 | GX161100 |
| | | 20 | 15 | GX201070 | GX201230 | GX201350 | GX201080 | GX201240 | GX201360 | GX201090 | GX201100 |
| | □65 | 32 | 32 | GX321070 | GX321230 | GX321350 | GX321080 | GX321240 | GX321360 | GX321090 | GX321100 |
| | | 40 | 40 | GX401070 | GX401230 | GX401350 | GX401080 | GX401240 | GX401360 | GX401090 | GX401100 |
| GN... | □132 | 200 | 200 | GN2001070 | GN2001230 | GN2001350 | GN2001080 | GN2001240 | GN2001360 | GN2001090 | GN2001100 |
| | | 315 | 255 | GN3151070 | GN3151230 | GN3151350 | GN3151080 | GN3151240 | GN3151360 | GN3151090 | GN3151100 |

Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)Ⓢ

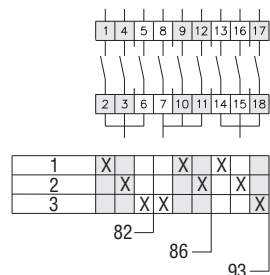


| ANSCHLUSSPLÄNE | | | | 107 | 123 | 135 | 108 | 124 | 136 | 109 | 110 |
|----------------|---------------|---------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | 45x54 | 20 | 15 | GF20107048 | GF20123048 | GF20135048 | GF20108048 | GF20124048 | GF20136048 | GF20109048 | GF20110048 |
| 7GN... | 45x54 | 16 | 15 | 7GN12107048 | 7GN12123048 | 7GN12135048 | 7GN12108048 | 7GN12124048 | 7GN12136048 | 7GN12109048 | 7GN12110048 |
| | | 20 | 20 | 7GN20107048 | 7GN20123048 | 7GN20135048 | 7GN20108048 | 7GN20124048 | 7GN20136048 | 7GN20109048 | 7GN20110048 |
| | | 25 | 30 | 7GN25107048 | 7GN25123048 | 7GN25135048 | 7GN25108048 | 7GN25124048 | 7GN25136048 | 7GN25109048 | 7GN25110048 |
| GX... | 45x54 | 16 | 12 | GX16107048 | GX16123048 | GX16135048 | GX16108048 | GX16124048 | GX16136048 | GX16109048 | GX16110048 |
| | | 20 | 15 | GX20107048 | GX20123048 | GX20135048 | GX20108048 | GX20124048 | GX20136048 | GX20109048 | GX20110048 |

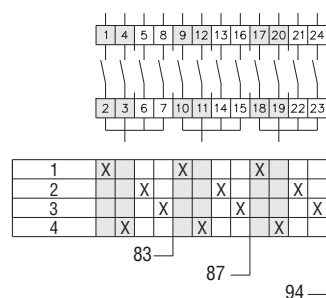
- ① Frontplatte für GF..., 7GN12...7GN63..., GX..., GN...
- ② Frontplatte für 7GN125...
- Ⓢ Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF20107049)

ANSCHLUSSPLÄNE

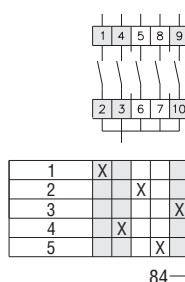
82-86-93



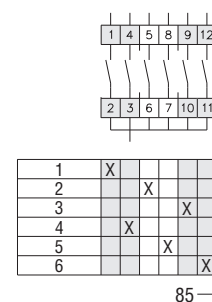
83-87-94



84



85



START BEI 0

Ausführung im Kunststoffgehäuse mit schwarzem Griff (P)

Ausführung im Metallgehäuse mit schwarzem Griff (L)



| ANSCHLUSSPLÄNE | | | | 107 | 123 | 135 | 108 | 124 | 136 | 109 | 110 | |
|----------------|--------------|---------------------------|-------------------|------------|------------|------------|------------|-----------|------------------------|------------------------|-----------|-----------|
| Pole | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | |
| Serie | Maße Gehäuse | Konvent. therm. Strom Ith | UL/CSA allg. Anw. | | | | | | | | | |
| | | | | | | | | | | | | |
| 7GN... | 75x75 | 16 | 15 | 7GN12107P | 7GN12123P | 7GN12135P | 7GN12108P | 7GN12124P | 7GN12136P [ⓐ] | 7GN12109P | 7GN12110P | |
| | | 20 | 20 | 7GN20107P | 7GN20123P | 7GN20135P | 7GN20108P | 7GN20124P | 7GN20136P [ⓐ] | 7GN20109P | 7GN20110P | |
| | | 25 | 30 | 7GN25107P | 7GN25123P | 7GN25135P | 7GN25108P | 7GN25124P | 7GN25136P [ⓐ] | 7GN25109P | 7GN25110P | |
| | 90x90 | 32 | 40 | 7GN32107P | 7GN32123P | 7GN32135P | 7GN32108P | 7GN32124P | 7GN32136P | 7GN32109P | 7GN32110P | |
| | | 110x110 | 40 | 50 | 7GN40107P | 7GN40123P | 7GN40135P | 7GN40108P | 7GN40124P | 7GN40136P | 7GN40109P | 7GN40110P |
| | | 125x175 | 63 | 60 | 7GN63107P | 7GN63123P | 7GN63135P | 7GN63108P | 7GN63124P | 7GN63136P [ⓐ] | 7GN63109P | 7GN63110P |
| 180x254 | 125 | 130 | 7GN125107P | 7GN125123P | 7GN125135P | 7GN125108P | 7GN125124P | — | 7GN125109P | 7GN125110P | | |
| GX... | 90x90 | 16 | 12 | GX16107P | GX16123P | GX16135P | GX16108P | GX16124P | GX16136P | GX16109P | GX16110P | |
| | | 20 | 15 | GX20107P | GX20123P | GX20135P | GX20108P | GX20124P | GX20136P | GX20109P | GX20110P | |
| | 110x110 | 32 | 32 | GX32107P | GX32123P | GX32135P | GX32108P | GX32124P | — | GX32109P | GX32110P | |
| | | 40 | 40 | GX40107P | GX40123P | GX40135P | GX40108P | GX40124P | — | GX40109P | GX40110P | |
| GN... | 250x316 | 200 | 200 | GN200107L | GN200123L | GN200135L | GN200108L | GN200124L | GN200136L | GN200109L | GN200110L | |
| | | 315 | 255 | GN315107L | GN315123L | GN315135L | GN315108L | GN315124L | GN315136L | GN315109L | GN315110L | |

- ⓐ Frontplatte für GF..., 7GN12...7GN63..., GX..., GN...
- ⓑ Frontplatte für 7GN125...
- ⓒ Abmessungen des Gehäuses 90x90mm
- ⓓ Abmessungen des Gehäuses 110x110mm
- ⓔ Abmessungen des Gehäuses 180x254mm

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

SPANNUNGSUMSCHALTER UND STROMUMSCHALTER

Ausführung für Fronteinbau mit Griff (U)



| Typ | | | | Spannungsumschalter | | | Stromumschalter | |
|----------------|---------------|---------------------------------------|-------------------|---------------------|----------|----------|-----------------|----------|
| ANSCHLUSSPLÄNE | | | | 66 | 67 | 68 | 97 | 98 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | |
| | | | | | | | | |
| | [mm] | [A] | [A] | | | | | |
| GF... | □30 | 10 | 10 | GF1066U | GF1067U | GF1068U | GF1097U | GF1098U |
| | □48 | 20 | 15 | GF2066U | GF2067U | GF2068U | GF2097U | GF2098U |
| 7GN... | □48 | 16 | 15 | 7GN1266U | 7GN1267U | 7GN1268U | 7GN1297U | 7GN1298U |
| | | 20 | 20 | 7GN2066U | 7GN2067U | 7GN2068U | 7GN2097U | 7GN2098U |
| | | 25 | 30 | 7GN2566U | 7GN2567U | 7GN2568U | 7GN2597U | 7GN2598U |
| | □65 | 32 | 40 | 7GN3266U | 7GN3267U | 7GN3268U | 7GN3297U | 7GN3298U |
| | | 40 | 50 | 7GN4066U | 7GN4067U | 7GN4068U | 7GN4097U | 7GN4098U |
| GX... | □48 | 16 | 12 | GX1666U | GX1667U | GX1668U | GX1697U | GX1698U |
| | | 20 | 15 | GX2066U | GX2067U | GX2068U | GX2097U | GX2098U |
| | □65 | 32 | 32 | GX3266U | GX3267U | GX3268U | GX3297U | GX3298U |
| | | 40 | 40 | GX4066U | GX4067U | GX4068U | GX4097U | GX4098U |

Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47)Ⓢ



| Typ | | | | Spannungsumschalter | | | Stromumschalter | |
|----------------|---------------|---------------------------------------|-------------------|---------------------|------------|------------|-----------------|------------|
| ANSCHLUSSPLÄNE | | | | 66 | 67 | 68 | 97 | 98 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | |
| | | | | | | | | |
| | [mm] | [A] | [A] | | | | | |
| GF... | □30 | 10 | 10 | GF1066U47 | GF1067U47 | GF1068U47 | GF1097U47 | GF1098U47 |
| | □48 | 20 | 15 | GF2066U47 | GF2067U47 | GF2068U47 | GF2097U47 | GF2098U47 |
| 7GN... | □48 | 16 | 15 | 7GN1266U47 | 7GN1267U47 | 7GN1268U47 | 7GN1297U47 | 7GN1298U47 |
| | | 20 | 20 | 7GN2066U47 | 7GN2067U47 | 7GN2068U47 | 7GN2097U47 | 7GN2098U47 |
| | | 25 | 30 | 7GN2566U47 | 7GN2567U47 | 7GN2568U47 | 7GN2597U47 | 7GN2598U47 |
| GX... | □48 | 16 | 12 | GX1666U47 | GX1667U47 | GX1668U47 | GX1697U47 | GX1698U47 |
| | | 20 | 15 | GX2066U47 | GX2067U47 | GX2068U47 | GX2097U47 | GX2098U47 |

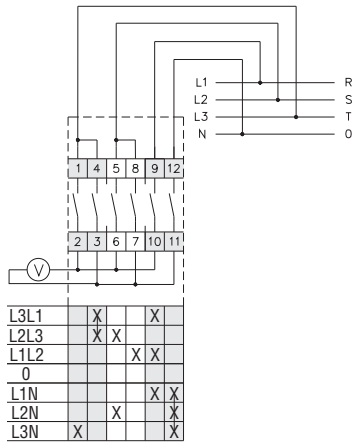
① Frontplatte für GF20..., 7GN..., GX..., GN...

② Frontplatte für GF10...

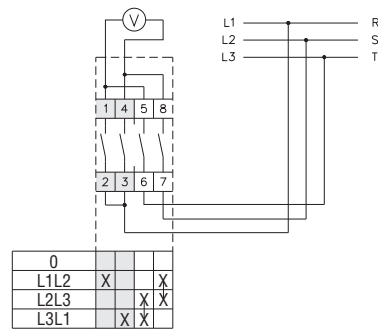
Ⓢ Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF2066U29D)

ANSCHLUSSPLÄNE

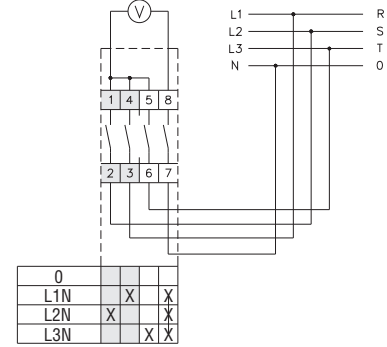
66



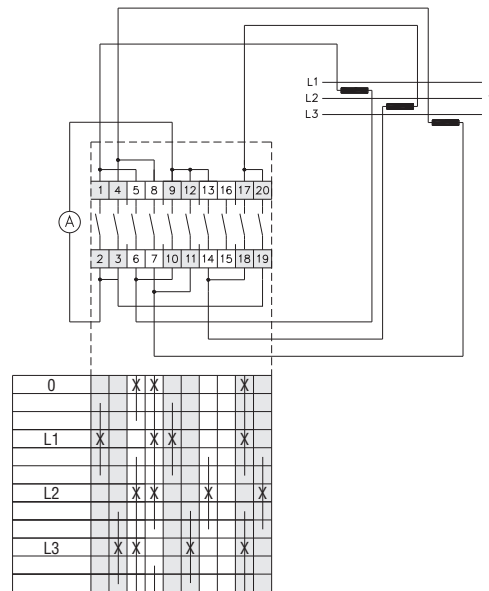
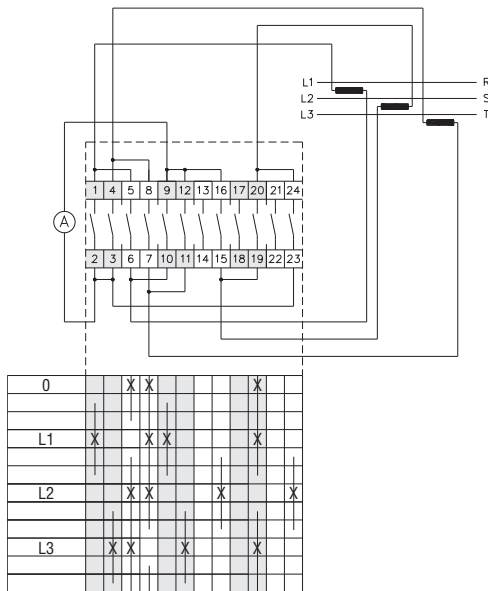
67



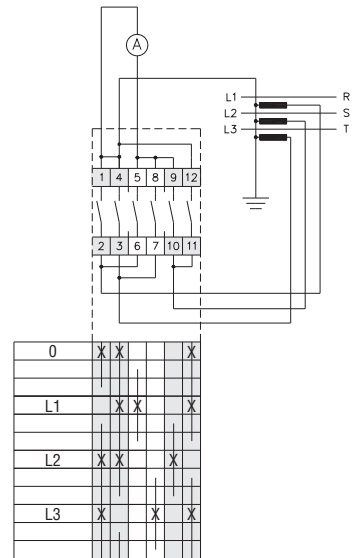
68



97



98



Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |

SPANNUNGSUMSCHALTER UND STROMUMSCHALTER

Ausführung für Tafelbau mit schwarzem Griff (0)



| Typ | | | | Spannungsumschalter | | | Stromumschalter | |
|----------------|-----------------------|--|--------------------------|---------------------|----------|----------|-----------------|----------|
| ANSCHLUSSPLÄNE | | | | 66 | 67 | 68 | 97 | 98 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | |
| | | | | GF... | □48 | 20 | 15 | GF20660 |
| 7GN... | □48 | 16 | 15 | 7GN12660 | 7GN12670 | 7GN12680 | 7GN12970 | 7GN12980 |
| | | 20 | 20 | 7GN20660 | 7GN20670 | 7GN20680 | 7GN20970 | 7GN20980 |
| | | 25 | 30 | 7GN25660 | 7GN25670 | 7GN25680 | 7GN25970 | 7GN25980 |
| | □65 | 32 | 40 | 7GN32660 | 7GN32670 | 7GN32680 | 7GN32970 | 7GN32980 |
| | | 40 | 50 | 7GN40660 | 7GN40670 | 7GN40680 | 7GN40970 | 7GN40980 |
| GX... | □48 | 16 | 12 | GX16660 | GX16670 | GX16680 | GX16970 | GX16980 |
| | | 20 | 15 | GX20660 | GX20670 | GX20680 | GX20970 | GX20980 |
| | □65 | 32 | 32 | GX32660 | GX32670 | GX32680 | GX32970 | GX32980 |
| | | 40 | 40 | GX40660 | GX40670 | GX40680 | GX40970 | GX40980 |

Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)⓪

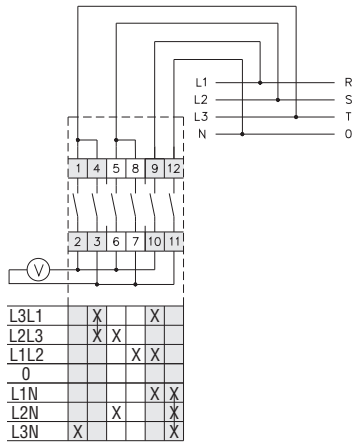


| Typ | | | | Spannungsumschalter | | | Stromumschalter | |
|----------------|-----------------------|--|--------------------------|---------------------|------------|------------|-----------------|------------|
| ANSCHLUSSPLÄNE | | | | 66 | 67 | 68 | 97 | 98 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | |
| | | | | GF... | 45x54 | 20 | 15 | GF2066048 |
| 7GN... | 45x54 | 16 | 15 | 7GN1266048 | 7GN1267048 | 7GN1268048 | 7GN1297048 | 7GN1298048 |
| | | 20 | 20 | 7GN2066048 | 7GN2067048 | 7GN2068048 | 7GN2097048 | 7GN2098048 |
| | | 25 | 30 | 7GN2566048 | 7GN2567048 | 7GN2568048 | 7GN2597048 | 7GN2598048 |
| GX... | 45x54 | 16 | 12 | GX1666048 | GX1667048 | GX1668048 | GX1697048 | GX1698048 |
| | | 20 | 15 | GX2066048 | GX2067048 | GX2068048 | GX2097048 | GX2098048 |

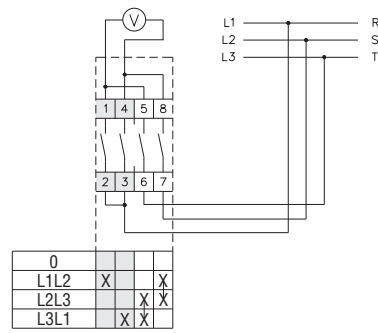
⓪ Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF2066049)

ANSCHLUSSPLÄNE

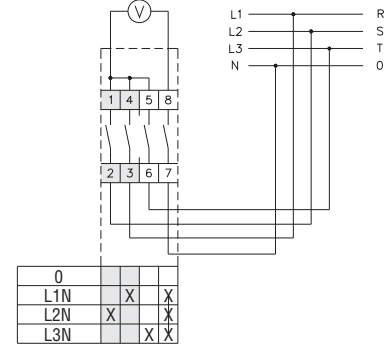
66



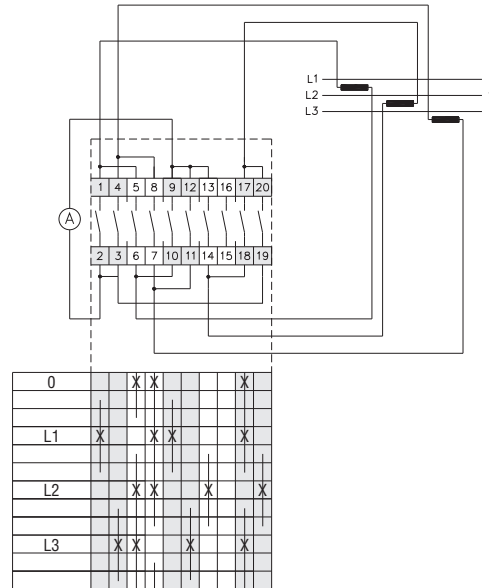
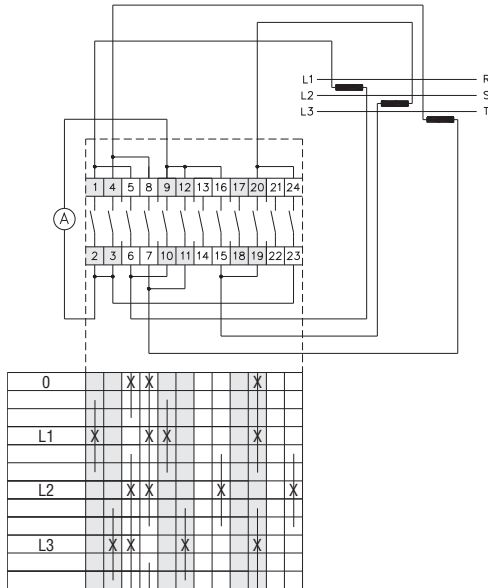
67



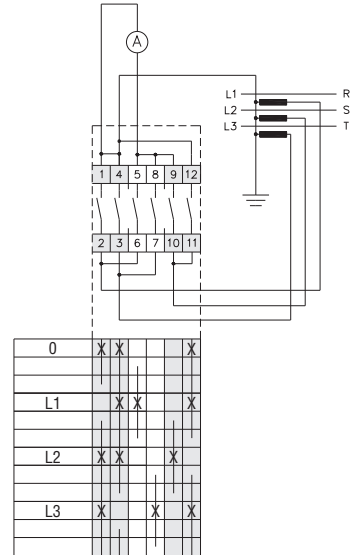
68



97



98



11

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |

WENDESCHALTER - SCHALTER FÜR STERN-DREIECK-ANLAUF - FÜR DAHLANDERSCHALTUNG - FÜR TEILWICKLUNGSANLAUF



Ausführung für Fronteinbau mit schwarzem Griff (U)

| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|--------------------|---|-----------------------|---------------|-----------|-----------|----------------------|--------------------|-----------|-----------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | | | | | | | | |
| GF... | □30 | 10 | 10 | GF1025U | GF1011U | GF1026U | GF1012U | GF1013U | GF1019U | GF1020U | GF1053U |
| | □48 | 20 | 15 | GF2025U | GF2011U | GF2026U | GF2012U | GF2013U | GF2019U | GF2020U | GF2053U |
| 7GN... | □48 | 16 | 15 | 7GN1225U | 7GN1211U | 7GN1226U | 7GN1212U | 7GN1213U | 7GN1219U | 7GN1220U | 7GN1253U |
| | | 20 | 20 | 7GN2025U | 7GN2011U | 7GN2026U | 7GN2012U | 7GN2013U | 7GN2019U | 7GN2020U | 7GN2053U |
| | | 25 | 30 | 7GN2525U | 7GN2511U | 7GN2526U | 7GN2512U | 7GN2513U | 7GN2519U | 7GN2520U | 7GN2553U |
| | □65 | 32 | 40 | 7GN3225U | 7GN3211U | 7GN3226U | 7GN3212U | 7GN3213U | 7GN3219U | 7GN3220U | 7GN3253U |
| | | 40 | 50 | 7GN4025U | 7GN4011U | 7GN4026U | 7GN4012U | 7GN4013U | 7GN4019U | 7GN4020U | 7GN4053U |
| | | 63 | 60 | 7GN6325U | 7GN6311U | 7GN6326U | 7GN6312U | 7GN6313U | 7GN6319U | 7GN6320U | 7GN6353U |
| □90 | 125 | 130 | 7GN12525U | 7GN12511U | 7GN12526U | 7GN12512U | 7GN12513U | 7GN12519U | 7GN12520U | 7GN12553U | |
| GX... | □48 | 16 | 12 | GX1625U | GX1611U | GX1626U | GX1612U | GX1613U | GX1619U | GX1620U | GX1653U |
| | | 20 | 15 | GX2025U | GX2011U | GX2026U | GX2012U | GX2013U | GX2019U | GX2020U | GX2053U |
| | □65 | 32 | 32 | GX3225U | GX3211U | GX3226U | GX3212U | GX3213U | GX3219U | GX3220U | GX3253U |
| | | 40 | 40 | GX4025U | GX4011U | GX4026U | GX4012U | GX4013U | GX4019U | GX4020U | GX4053U |
| GN... | □132 | 200 | 200 | GN20025U | GN20011U | GN20026U | GN20012U | GN20013U | GN20019U | GN20020U | GN20053U |
| | | 315 | 255 | GN31525U | GN31511U | GN31526U | GN31512U | GN31513U | GN31519U | GN31520U | GN31553U |



Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U25)Ⓢ

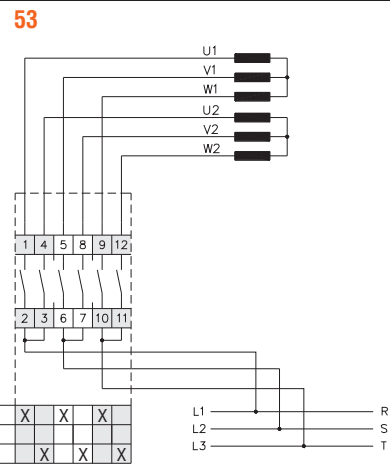
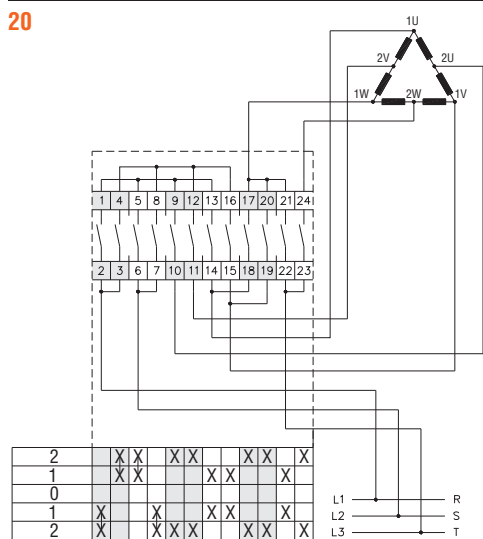
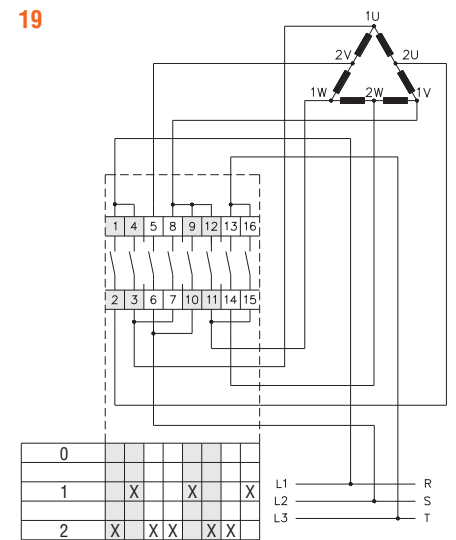
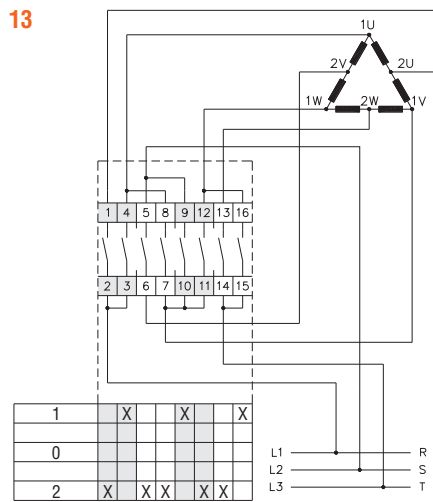
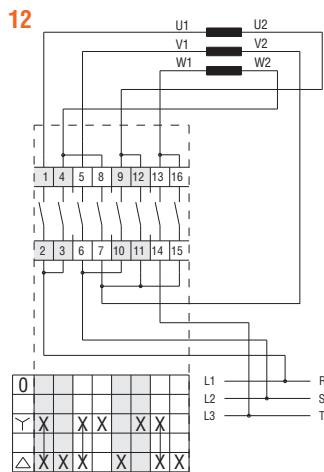
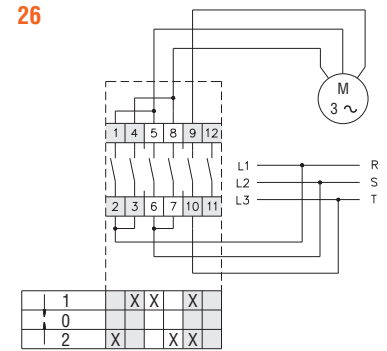
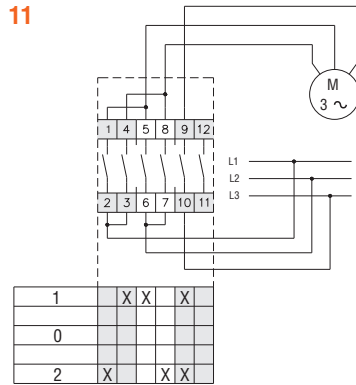
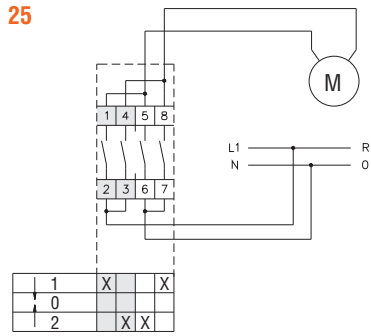
| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|--------------------|---|-----------------------|---------------|-----------|-----------|----------------------|--------------------|-----------|-----------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. [mm] | Konvent. therm. Strom I _{th} [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | | | | | | | | |
| GF... | □48 | 20 | 15 | GF2025U25 | GF2011U25 | GF2026U25 | GF2012U25 | GF2013U25 | GF2019U25 | GF2020U25 | GF2053U25 |
| GX... | □48 | 16 | 12 | GX1625U25 | GX1611U25 | GX1626U25 | GX1612U25 | GX1613U25 | GX1619U25 | GX1620U25 | GX1653U25 |
| | | 20 | 15 | GX2025U25 | GX2011U25 | GX2026U25 | GX2012U25 | GX2013U25 | GX2019U25 | GX2020U25 | GX2053U25 |
| | □65 | 32 | 32 | GX3225U25 | GX3211U25 | GX3226U25 | GX3212U25 | GX3213U25 | GX3219U25 | GX3220U25 | GX3253U25 |
| | | 40 | 40 | GX4025U25 | GX4011U25 | GX4026U25 | GX4012U25 | GX4013U25 | GX4019U25 | GX4020U25 | GX4053U25 |

① Frontplatte für GF20..., 7GN..., GX...

② Frontplatte für GF10..., GN...

③ Bei nicht verschleißbarer Version ohne Klemmenabdeckungen U25 durch U24 ersetzen (z.B. GF1025U24)

ANSCHLUSSPLÄNE



11

Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

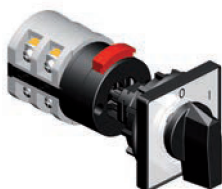
| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

WENDESCHALTER - SCHALTER FÜR STERN-DREIECK-ANLAUF - FÜR DAHLANDERSCHALTUNG - FÜR TEILWICKLUNGSANLAUF



Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U65)

| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------------------|-------------------|---------------|-------------|-------------|----------------------|--------------------|-------------|-------------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | | | [A] | [A] | | | | | | |
| 7GN... | □65 | 16 | 15 | 7GN1225U65 | 7GN1211U65 | 7GN1226U65 | 7GN1212U65 | 7GN1213U65 | 7GN1219U65 | 7GN1220U65 | 7GN1253U65 |
| | | 20 | 20 | 7GN2025U65 | 7GN2011U65 | 7GN2026U65 | 7GN2012U65 | 7GN2013U65 | 7GN2019U65 | 7GN2020U65 | 7GN2053U65 |
| | | 25 | 30 | 7GN2525U65 | 7GN2511U65 | 7GN2526U65 | 7GN2512U65 | 7GN2513U65 | 7GN2519U65 | 7GN2520U65 | 7GN2553U65 |
| | | 32 | 40 | 7GN3225U65 | 7GN3211U65 | 7GN3226U65 | 7GN3212U65 | 7GN3213U65 | 7GN3219U65 | 7GN3220U65 | 7GN3253U65 |
| | | 40 | 50 | 7GN4025U65 | 7GN4011U65 | 7GN4026U65 | 7GN4012U65 | 7GN4013U65 | 7GN4019U65 | 7GN4020U65 | 7GN4053U65 |
| | | 63 | 60 | 7GN6325U65 | 7GN6311U65 | 7GN6326U65 | 7GN6312U65 | 7GN6313U65 | 7GN6319U65 | 7GN6320U65 | 7GN6353U65 |
| | □90 | 125 | 130 | 7GN12525U65 | 7GN12511U65 | 7GN12526U65 | 7GN12512U65 | 7GN12513U65 | 7GN12519U65 | 7GN12520U65 | 7GN12553U65 |



Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47)❶

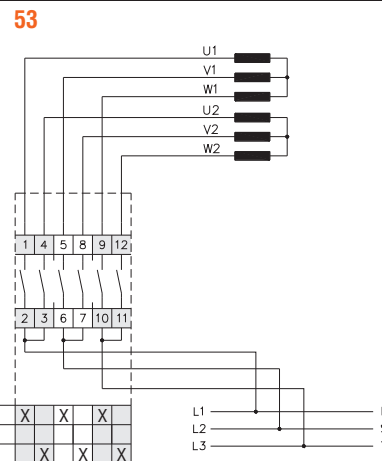
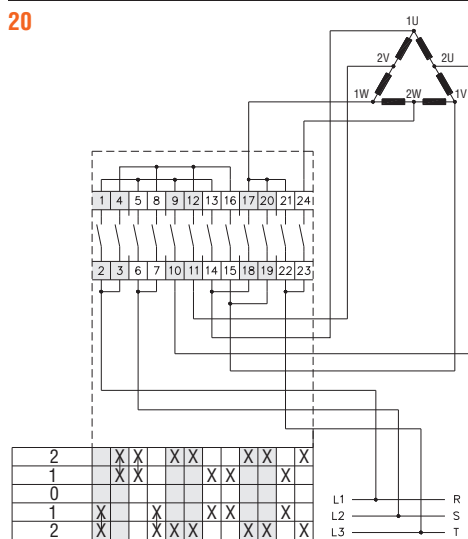
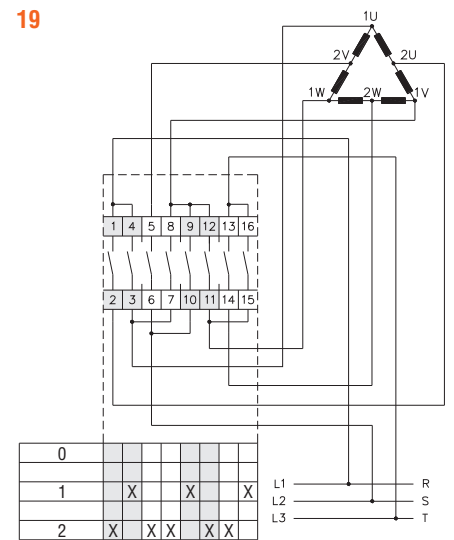
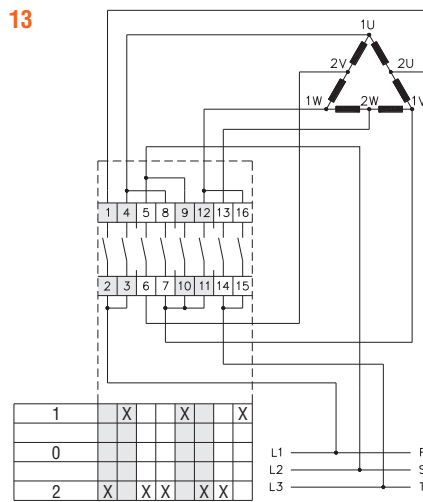
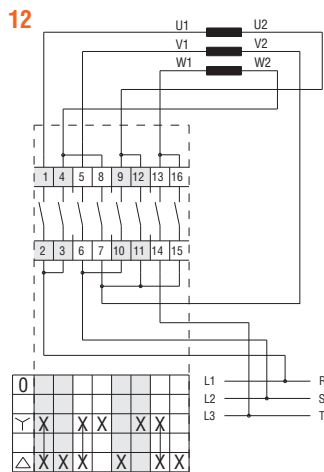
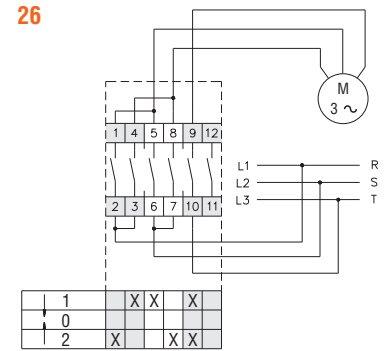
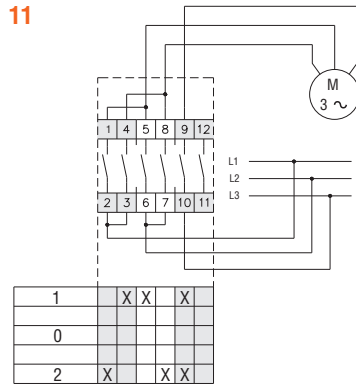
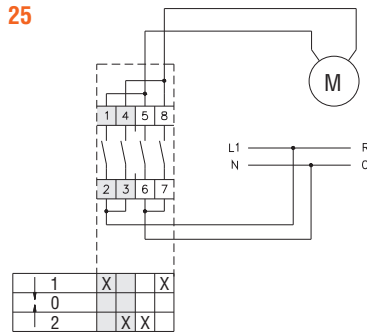
| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------------------|-------------------|---------------|------------|------------|----------------------|--------------------|------------|------------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | | | [A] | [A] | | | | | | |
| GF... | □30 | 10 | 10 | GF1025U47 | GF1011U47 | GF1026U47 | GF1012U47 | GF1013U47 | GF1019U47 | GF1020U47 | GF1053U47 |
| | □48 | 20 | 15 | GF2025U47 | GF2011U47 | GF2026U47 | GF2012U47 | GF2013U47 | GF2019U47 | GF2020U47 | GF2053U47 |
| 7GN... | □48 | 16 | 15 | 7GN1225U47 | 7GN1211U47 | 7GN1226U47 | 7GN1212U47 | 7GN1213U47 | 7GN1219U47 | 7GN1220U47 | 7GN1253U47 |
| | | 20 | 20 | 7GN2025U47 | 7GN2011U47 | 7GN2026U47 | 7GN2012U47 | 7GN2013U47 | 7GN2019U47 | 7GN2020U47 | 7GN2053U47 |
| | | 25 | 30 | 7GN2525U47 | 7GN2511U47 | 7GN2526U47 | 7GN2512U47 | 7GN2513U47 | 7GN2519U47 | 7GN2520U47 | 7GN2553U47 |
| GX... | □48 | 16 | 12 | GX1625U47 | GX1611U47 | GX1626U47 | GX1612U47 | GX1613U47 | GX1619U47 | GX1620U47 | GX1653U47 |
| | | 20 | 15 | GX2025U47 | GX2011U47 | GX2026U47 | GX2012U47 | GX2013U47 | GX2019U47 | GX2020U47 | GX2053U47 |

❶ Bei Version mit Schlüssel U47 durch U29D ersetzen (z.B. GF2025U29D)

❷ Frontplatte für GF20..., 7GN..., GX...

❸ Frontplatte für GF10..., GN...

ANSCHLUSSPLÄNE



Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF10... | 10 | 10 | — | 0,75 | 2 | — | — | 0,75 | 3 |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |

WENDESCHALTER - SCHALTER FÜR STERN-DREIECK-ANLAUF - FÜR DAHLANDERSCHALTUNG - FÜR TEILWICKLUNGSANLAUF



Ausführung für Tafelbau mit schwarzem Griff (0)

| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------|-------------------|---------------|-----------|-----------|----------------------|--------------------|-----------|-----------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom Ith | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | □48 | 20 | 15 | GF20250 | GF20110 | GF20260 | GF20120 | GF20130 | GF20190 | GF20200 | GF20530 |
| 7GN... | □48 | 16 | 15 | 7GN12250 | 7GN12110 | 7GN12260 | 7GN12120 | 7GN12130 | 7GN12190 | 7GN12200 | 7GN12530 |
| | | 20 | 20 | 7GN20250 | 7GN20110 | 7GN20260 | 7GN20120 | 7GN20130 | 7GN20190 | 7GN20200 | 7GN20530 |
| | | 25 | 30 | 7GN25250 | 7GN25110 | 7GN25260 | 7GN25120 | 7GN25130 | 7GN25190 | 7GN25200 | 7GN25530 |
| | □65 | 32 | 40 | 7GN32250 | 7GN32110 | 7GN32260 | 7GN32120 | 7GN32130 | 7GN32190 | 7GN32200 | 7GN32530 |
| | | 40 | 50 | 7GN40250 | 7GN40110 | 7GN40260 | 7GN40120 | 7GN40130 | 7GN40190 | 7GN40200 | 7GN40530 |
| □90 | 125 | 130 | 7GN125250 | 7GN125110 | 7GN125260 | 7GN125120 | 7GN125130 | 7GN125190 | 7GN125200 | 7GN125530 | |
| GX... | □48 | 16 | 12 | GX16250 | GX16110 | GX16260 | GX16120 | GX16130 | GX16190 | GX16200 | GX16530 |
| | | 20 | 15 | GX20250 | GX20110 | GX20260 | GX20120 | GX20130 | GX20190 | GX20200 | GX20530 |
| | □65 | 32 | 32 | GX32250 | GX32110 | GX32260 | GX32120 | GX32130 | GX32190 | GX32200 | GX32530 |
| | | 40 | 40 | GX40250 | GX40110 | GX40260 | GX40120 | GX40130 | GX40190 | GX40200 | GX40530 |
| GN... | □132 | 200 | 200 | GN200250 | GN200110 | GN200260 | GN200120 | GN200130 | GN200190 | GN200200 | GN200530 |
| | | 315 | 255 | GN315250 | GN315110 | GN315260 | GN315120 | GN315130 | GN315190 | GN315200 | GN315530 |



Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)Ⓢ

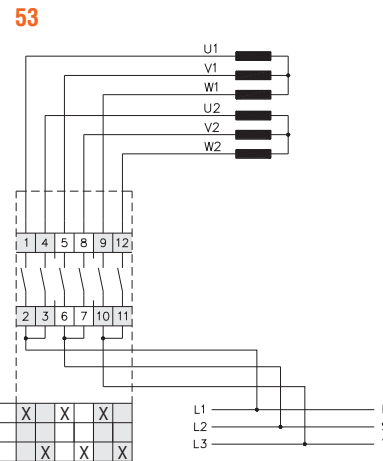
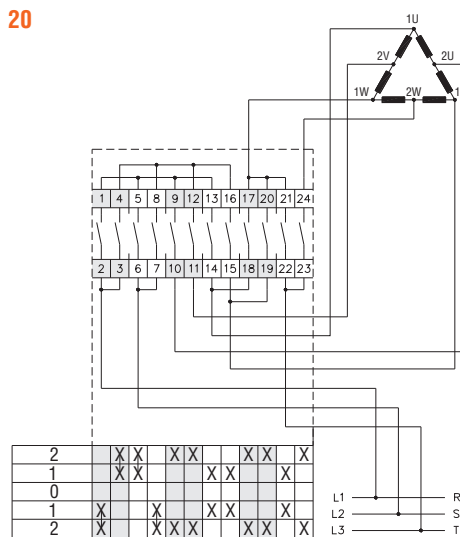
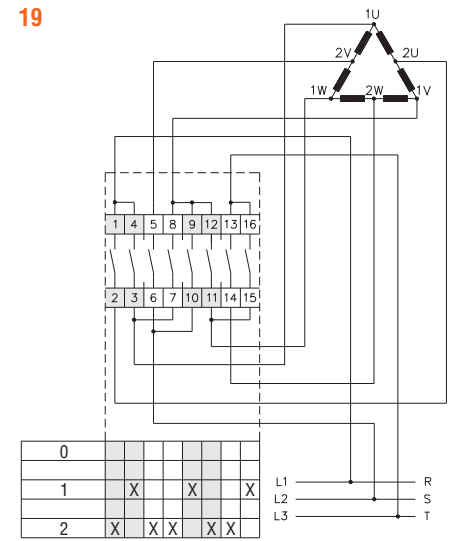
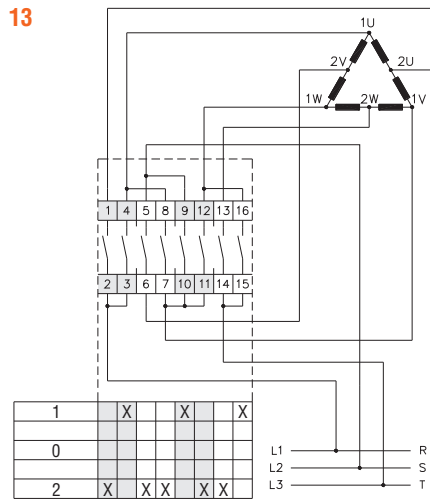
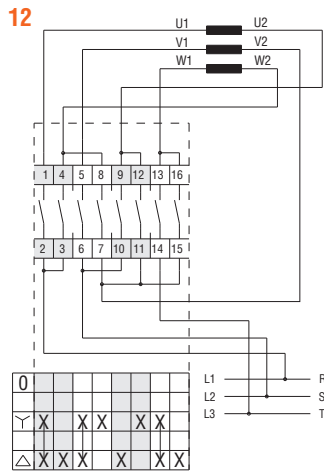
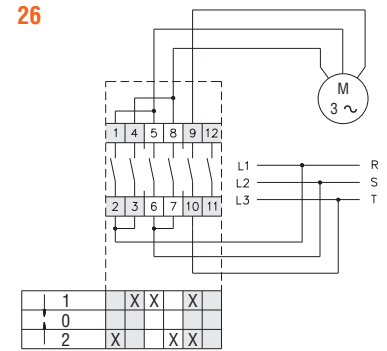
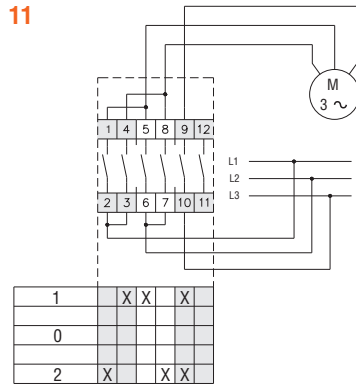
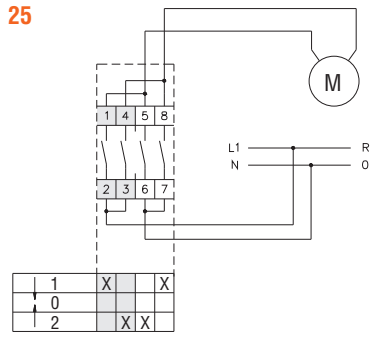
| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------|-------------------|---------------|------------|------------|----------------------|--------------------|------------|------------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom Ith | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | 45x54 | 20 | 15 | GF2025048 | GF2011048 | GF2026048 | GF2012048 | GF2013048 | GF2019048 | GF2020048 | GF2053048 |
| 7GN... | 45x54 | 16 | 15 | 7GN1225048 | 7GN1211048 | 7GN1226048 | 7GN1212048 | 7GN1213048 | 7GN1219048 | 7GN1220048 | 7GN1253048 |
| | | 20 | 20 | 7GN2025048 | 7GN2011048 | 7GN2026048 | 7GN2012048 | 7GN2013048 | 7GN2019048 | 7GN2020048 | 7GN2053048 |
| | | 25 | 30 | 7GN2525048 | 7GN2511048 | 7GN2526048 | 7GN2512048 | 7GN2513048 | 7GN2519048 | 7GN2520048 | 7GN2553048 |
| GX... | 45x54 | 16 | 12 | GX1625048 | GX1611048 | GX1626048 | GX1612048 | GX1613048 | GX1619048 | GX1620048 | GX1653048 |
| | | 20 | 15 | GX2025048 | GX2011048 | GX2026048 | GX2012048 | GX2013048 | GX2019048 | GX2020048 | GX2053048 |

Ⓢ Frontplatte für GF20..., 7GN..., GX...

Ⓢ Frontplatte für GF10..., GN...

Ⓢ Bei Version mit Schlüssel 048 durch 049 ersetzen (z.B. GF2025049)

ANSCHLUSSPLÄNE



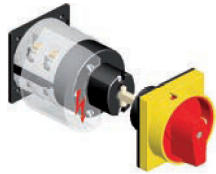
Technische Eigenschaften

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GF20... | 20 | 15 | — | 1 | 3 | — | — | 2 | 7,5 |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | — | 1,7 | 5,5 |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

WENDESCHALTER - SCHALTER FÜR STERN-DREIECK-ANLAUF - FÜR DAHLANDERSCHALTUNG - FÜR TEILWICKLUNGSANLAUF

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen **(088)**



| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------------------|-------------------|---------------|-----------|-----------|----------------------|--------------------|-----------|-----------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| GF... | □48 | 20 | 15 | GF2025088 | GF2011088 | GF2026088 | GF2012088 | GF2013088 | GF2019088 | GF2020088 | GF2053088 |
| GX... | □48 | 16 | 12 | GX1625088 | GX1611088 | GX1626088 | GX1612088 | GX1613088 | GX1619088 | GX1620088 | GX1653088 |
| | | 20 | 15 | GX2025088 | GX2011088 | GX2026088 | GX2012088 | GX2013088 | GX2019088 | GX2020088 | GX2053088 |
| | □65 | 32 | 32 | GX3225088 | GX3211088 | GX3226088 | GX3212088 | GX3213088 | GX3219088 | GX3220088 | GX3253088 |
| | | 40 | 40 | GX4025088 | GX4011088 | GX4026088 | GX4012088 | GX4013088 | GX4019088 | GX4020088 | GX4053088 |

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen **(098)**



| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahlanderschaltung | | | Teilwicklungsanlauf |
|----------------|---------------|---------------------------------------|-------------------|---------------|------------|------------|----------------------|--------------------|------------|------------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Frontpl. | Konvent. therm. Strom I _{th} | UL/CSA allg. Anw. | | | | | | | | |
| | [mm] | [A] | [A] | | | | | | | | |
| 7GN... | □65 | 16 | 15 | 7GN1225098 | 7GN1211098 | 7GN1226098 | 7GN1212098 | 7GN1213098 | 7GN1219098 | 7GN1220098 | 7GN1253098 |
| | | 20 | 20 | 7GN2025098 | 7GN2011098 | 7GN2026098 | 7GN2012098 | 7GN2013098 | 7GN2019098 | 7GN2020098 | 7GN2053098 |
| | | 25 | 30 | 7GN2525098 | 7GN2511098 | 7GN2526098 | 7GN2512098 | 7GN2513098 | 7GN2519098 | 7GN2520098 | 7GN2553098 |
| | | 32 | 40 | 7GN3225098 | 7GN3211098 | 7GN3226098 | 7GN3212098 | 7GN3213098 | 7GN3219098 | 7GN3220098 | 7GN3253098 |
| | | 40 | 50 | 7GN4025098 | 7GN4011098 | 7GN4026098 | 7GN4012098 | 7GN4013098 | 7GN4019098 | 7GN4020098 | 7GN4053098 |

WENDESCHALTER - SCHALTER FÜR STERN-DREIECK-ANLAUF - FÜR DAHLANDERSCHALTUNG - FÜR TEILWICKLUNGSANLAUF



Ausführung im Kunststoffgehäuse mit schwarzem Griff (P)

Ausführung im Metallgehäuse mit schwarzem Griff (L)

| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahländerschaltung | | | Teilwicklungsanlauf |
|----------------|----------------------|----------------------------------|--------------------------|---------------|-----------|-----------|-----------------------|-----------------------|-----------------------|----------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 20 | 53 |
| Serie | Maße Gehäuse [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | 7GN... | 75x75 | 16 | 15 | 7GN1225P | 7GN1211P | 7GN1226P | 7GN1212P |
| | | 20 | 20 | 7GN2025P | 7GN2011P | 7GN2026P | 7GN2012P | 7GN2013P | 7GN2019P | — | 7GN2053P |
| | | 25 | 30 | 7GN2525P | 7GN2511P | 7GN2526P | 7GN2512P ^① | 7GN2513P ^① | 7GN2519P ^① | — | 7GN2553P |
| | 90x90 | 32 | 40 | 7GN3225P | 7GN3211P | 7GN3226P | 7GN3212P | 7GN3213P | 7GN3219P | — | 7GN3253P |
| | 110x110 | 40 | 50 | 7GN4025P | 7GN4011P | 7GN4026P | 7GN4012P | 7GN4013P | 7GN4019P | — | 7GN4053P |
| | 125x175 | 63 | 60 | 7GN6325P | 7GN6311P | 7GN6326P | 7GN6312P | 7GN6313P | 7GN6319P | — | 7GN6353P |
| | 180x254 | 125 | 130 | 7GN12525P | 7GN12511P | 7GN12526P | 7GN12512P | 7GN12513P | 7GN12519P | — | 7GN12553P |
| GX... | 90x90 | 16 | 12 | GX1625P | GX1611P | GX1626P | GX1612P | GX1613P | GX1619P | — | GX1653P |
| | | 20 | 15 | GX2025P | GX2011P | GX2026P | GX2012P | GX2013P | GX2019P | — | GX2053P |
| | 110x110 | 32 | 32 | GX3225P | GX3211P | GX3226P | GX3212P | GX3213P | GX3219P | — | GX3253P |
| | | 40 | 40 | GX4025P | GX4011P | GX4026P | GX4012P | GX4013P | GX4019P | — | GX4053P |
| GN... | 250x316 | 200 | 200 | GN20025L | GN20011L | GN20026L | GN20012L | GN20013L | GN20019L | GN20020L | GN20053L |
| | | 315 | 255 | GN31525L | GN31511L | GN31526L | GN31512L | GN31513L | GN31519L | GN31520L | GN31553L |

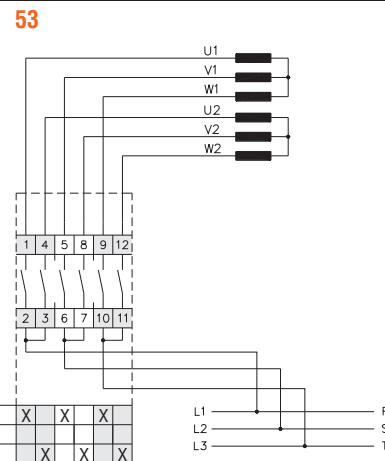
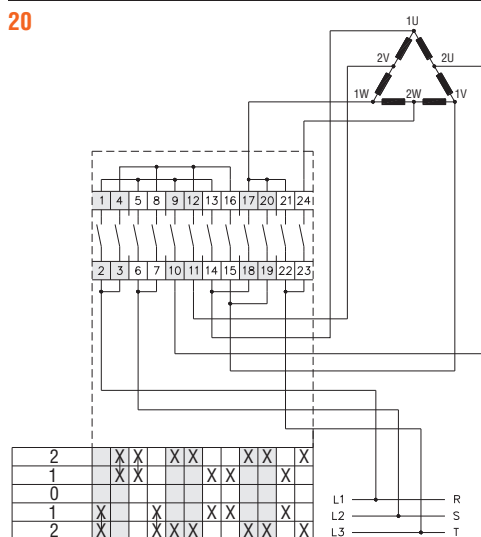
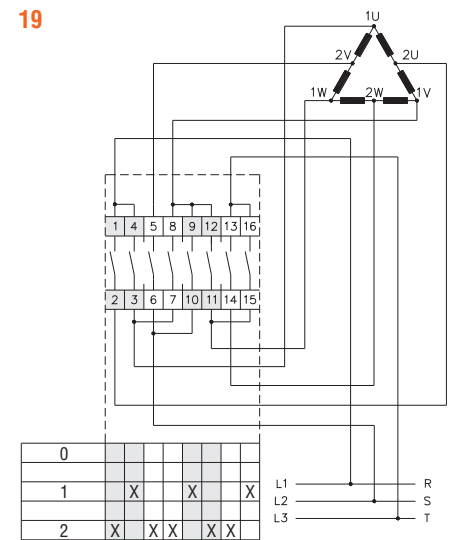
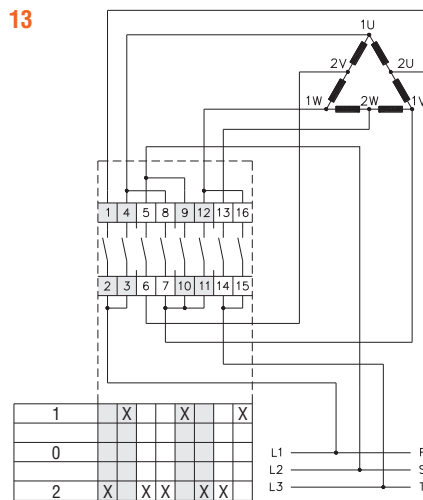
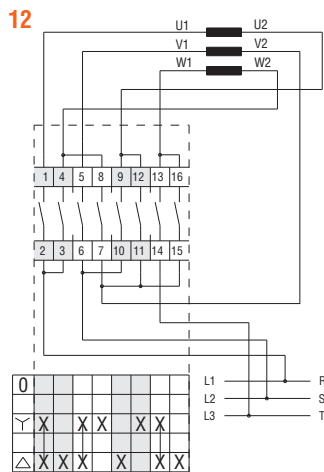
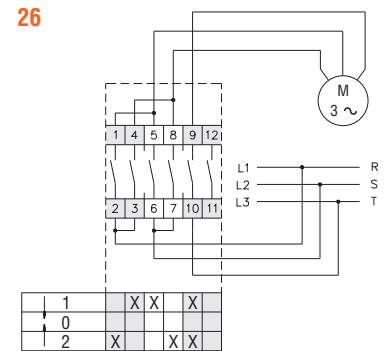
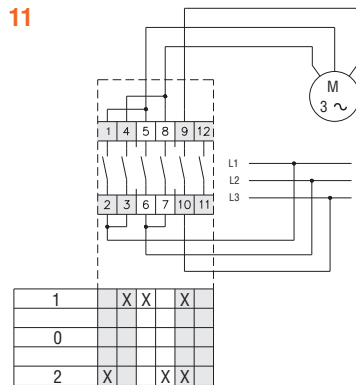
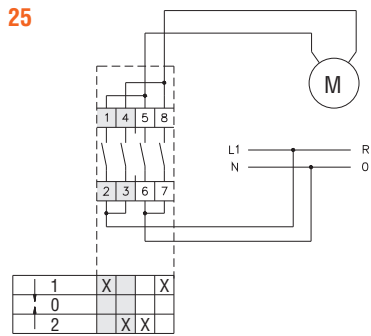


Ausführung im Kunststoffgehäuse mit rot/gelbem Griff (P25)

| Typ | | | | Wendeswitcher | | | Stern-Dreieck-Anlauf | Dahländerschaltung | | | Teilwicklungsanlauf |
|----------------|----------------------|----------------------------------|--------------------------|---------------|-------------|-------------|-------------------------|-------------------------|-------------------------|-------------|---------------------|
| ANSCHLUSSPLÄNE | | | | 25 | 11 | 26 | 12 | 13 | 19 | 53 | |
| Serie | Maße Gehäuse [mm] | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | | | | | | | | |
| | | | | 7GN... | 90x90 | 16 | 15 | 7GN1225P25 | 7GN1211P25 | 7GN1226P25 | 7GN1212P25 |
| | | 20 | 20 | 7GN2025P25 | 7GN2011P25 | 7GN2026P25 | 7GN2012P25 | 7GN2013P25 | 7GN2019P25 | 7GN2053P25 | |
| | | 25 | 30 | 7GN2525P25 | 7GN2511P25 | 7GN2526P25 | 7GN2512P25 ^② | 7GN2513P25 ^② | 7GN2519P25 ^② | 7GN2553P25 | |
| | | 32 | 40 | 7GN3225P25 | 7GN3211P25 | 7GN3226P25 | 7GN3212P25 | 7GN3213P25 | 7GN3219P25 | 7GN3253P25 | |
| | 110x110 | 40 | 50 | 7GN4025P25 | 7GN4011P25 | 7GN4026P25 | 7GN4012P25 | 7GN4013P25 | 7GN4019P25 | 7GN4053P25 | |
| | 125x175 | 63 | 60 | 7GN6325P25 | 7GN6311P25 | 7GN6326P25 | 7GN6312P25 | 7GN6313P25 | 7GN6319P25 | 7GN6353P25 | |
| | 180x254 | 125 | 130 | 7GN12525P25 | 7GN12511P25 | 7GN12526P25 | 7GN12512P25 | 7GN12513P25 | 7GN12519P25 | 7GN12553P25 | |
| GX... | 90x90 | 16 | 12 | GX1625P25 | GX1611P25 | GX1626P25 | GX1612P25 | GX1613P25 | GX1619P25 | GX1653P25 | |
| | | 20 | 15 | GX2025P25 | GX2011P25 | GX2026P25 | GX2012P25 | GX2013P25 | GX2019P25 | GX2053P25 | |
| | 110x110 | 32 | 32 | GX3225P25 | GX3211P25 | GX3226P25 | GX3212P25 | GX3213P25 | GX3219P25 | GX3253P25 | |
| | | 40 | 40 | GX4025P25 | GX4011P25 | GX4026P25 | GX4012P25 | GX4013P25 | GX4019P25 | GX4053P25 | |

② Abmessungen des Gehäuses 90x90mm

ANSCHLUSSPLÄNE



Technische Eigenschaften

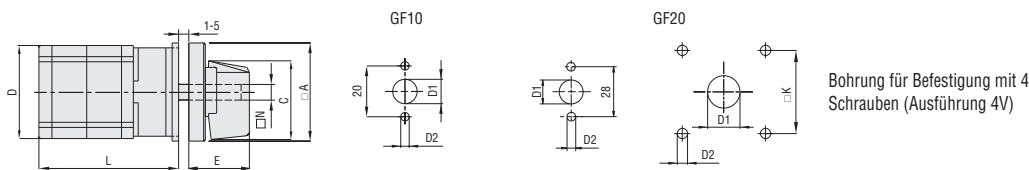
| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|-----------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| 7GN12... | 16 | 15 | 0,5 | 1 | 3 | — | 1,7 | 5,5 | |
| 7GN20... | 20 | 20 | 0,75 | 2 | 3 | 7,5 | 10 | 2,5 | 7,5 |
| 7GN25... | 25 | 30 | 1,5 | 3 | 5 | 10 | 15 | 3,7 | 11 |
| 7GN32... | 32 | 40 | 2 | 5 | 10 | 15 | 15 | 4 | 15 |
| 7GN40... | 40 | 50 | 2 | 5 | 10 | 20 | 20 | 6 | 18,5 |
| 7GN63... | 63 | 60 | 3 | 10 | 15 | 25 | 25 | 7,5 | 30 |
| 7GN125... | 125 | 130 | 5 | 15 | 25 | 50 | 40 | 11 | 45 |

| Serie | Konvent. therm. Strom Ith [A] | UL/CSA allg. Anw. [A] | UL/CSA HP max. Ratings | | | | | Max. IEC AC23 power 1-phasig [kW] bei 230V | Max. IEC AC23 power 3-phasig [kW] bei 400V |
|---------|-------------------------------|-----------------------|------------------------|-----------|-----------|-----------|-----------|--|--|
| | | | 1-phasig | | 3-phasig | | | | |
| | | | 120V [HP] | 240V [HP] | 240V [HP] | 480V [HP] | 600V [HP] | | |
| GX16... | 16 | 12 | 0,75 | 1 | 3 | 5 | 5 | 1,8 | 6,5 |
| GX20... | 20 | 15 | 0,75 | 1,5 | 3 | 5 | 5 | 2,2 | 7,5 |
| GX32... | 32 | 32 | 1,5 | 3 | 7,5 | 15 | 15 | 3,5 | 15 |
| GX40... | 40 | 40 | 2 | 5 | 10 | 15 | 15 | 5,2 | 18,5 |
| GN200 | 200 | 200 | 15 | 30 | 50 | 100 | 75 | — | 47 |
| GN315 | 315 | 255 | 15 | 30 | 50 | 100 | 75 | 37 | 110 |

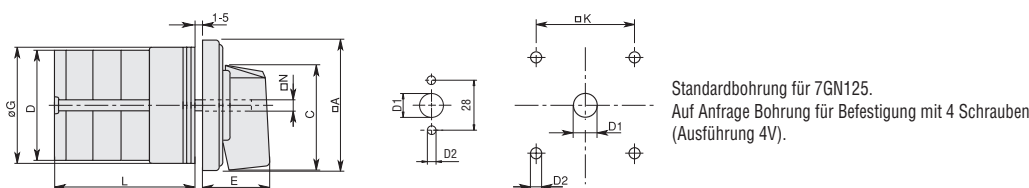
Ausführung für Fronteinbau mit schwarzem Griff (U)



GF...

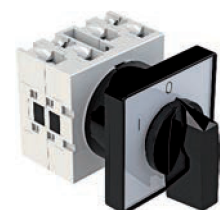
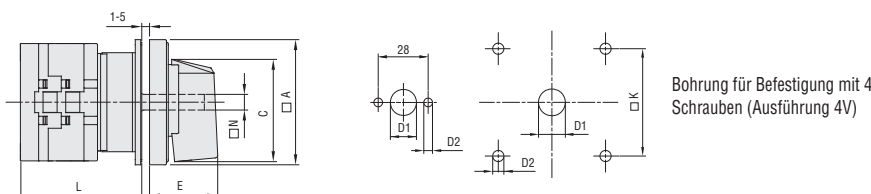


| Serie | Maße | | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|-------|------|------|----|-----|-----|------|----|----|-----------------------|------|----|------|----|-------|-----|-------|-----|-------|-----|-------|
| | □A | C | D | ØD1 | ØD2 | E | □K | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GF10 | 30 | 24 | 29 | 9 | 3,2 | 18,5 | - | Ø5 | 40 | 52 | 64 | 76 | 88 | 100 | 112 | 124 | - | - | - | - |
| GF20 | 48 | 39,5 | 36 | 12 | 5 | 26,5 | 36 | □6 | 44 | 57,5 | 71 | 84,5 | 98 | 111,5 | 125 | 138,5 | 152 | 165,5 | 179 | 192,5 |



7GN...

| Serie | Maße | | | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|--------|------|------|----|-----|-----|------|------|----|----|-----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | □A | C | ØD | ØD1 | ØD2 | E | ØG | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 7GN12 | 48 | 39,5 | 39 | 12 | 5 | 26,5 | 38 | 36 | 6 | 36,1 | 45,8 | 55,5 | 65,2 | 74,9 | 84,6 | 94,3 | 104 | 113,7 | 123,4 | 133,1 | 142,8 |
| 7GN20 | 48 | 39,5 | 39 | 12 | 5 | 26,5 | 38 | 36 | 6 | 36,1 | 45,8 | 55,5 | 65,2 | 74,9 | 84,6 | 94,3 | 104 | 113,7 | 123,4 | 133,1 | 142,8 |
| 7GN25 | 48 | 39,5 | 43 | 12 | 5 | 26,5 | 38 | 36 | 6 | 40,5 | 54,1 | 67,7 | 81,3 | 94,9 | 108,5 | 122,1 | 135,7 | 147,3 | 162,9 | 176,5 | 190,1 |
| 7GN32 | 65 | 53 | 58 | 14 | 5 | 34,5 | 58,5 | 48 | 7 | 46,5 | 61,6 | 76,7 | 91,8 | 106,9 | 122 | 137,1 | 152,2 | 167,3 | 182,4 | 197,5 | 212,6 |
| 7GN40 | 65 | 53 | 58 | 14 | 5 | 34,5 | 58,5 | 48 | 7 | 46,5 | 61,6 | 76,7 | 91,8 | 106,9 | 122 | 137,1 | 152,2 | 167,3 | 182,4 | 197,5 | 212,6 |
| 7GN63 | 65 | 53 | 62 | 14 | 5 | 34,5 | 58,5 | 48 | 7 | 50,3 | 68,4 | 86,5 | 104,6 | 122,7 | 140,8 | 158,9 | 177 | 195,1 | 213,2 | 231,3 | 249,4 |
| 7GN125 | 90 | 70,5 | 86 | 16 | 6 | 41,5 | 84 | 68 | 9 | 67,3 | 96,4 | 125,5 | 154,6 | 183,7 | 220,3 | 249,4 | 278,5 | 307,6 | 336,7 | 365,8 | 394,9 |

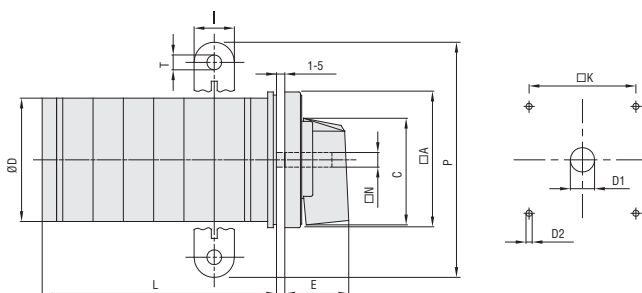


GX...

| Serie | Maße | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|-------|------|------|-----|-----|------|----|----|-----------------------|------|----|------|----|------|-----|-------|-----|-------|-----|-------|
| | □A | C | ØD1 | ØD2 | E | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GX16 | 48 | 39,5 | 12 | 5 | 26,5 | 36 | 6 | 43 | 51,5 | 60 | 68,5 | 77 | 85,5 | 94 | 102,5 | 111 | 119,5 | 128 | 136,5 |
| GX20 | 48 | 39,5 | 12 | 5 | 26,5 | 36 | 6 | 43 | 51,5 | 60 | 68,5 | 77 | 85,5 | 94 | 102,5 | 111 | 119,5 | 128 | 136,5 |
| GX32 | 65 | 53 | 14 | 5 | 34,5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |
| GX40 | 65 | 53 | 14 | 5 | 34,5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |



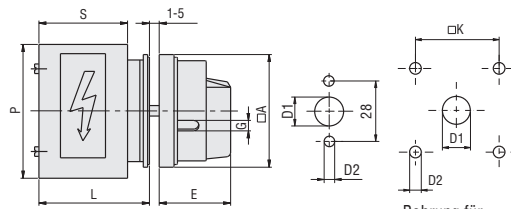
GN...



| Serie | Maße | | | | | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|-------|------|-----|-----|-----|-----|----|----|-----|----|-----|------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | □A | C | ØD | ØD1 | ØD2 | E | I | □K | □N | P | ØT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GN200 | 132 | 104 | 120 | 16 | 5,3 | 56 | 20 | 104 | 10 | 140 | 10,5 | 77 | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |
| GN315 | 132 | 104 | 120 | 16 | 5,3 | 56 | 20 | 104 | 10 | 145 | 10,5 | 77 | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |

● Bei 6 oder mehr Elementen wenden Sie sich bitte an unseren Customer-Service

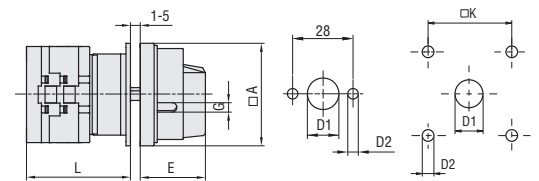
Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U25)



Bohrung für Befestigung mit 4 Schrauben (Ausführung 4V)

Serie GF

| Serie | Maße | | | | | | L | | | |
|-------------|------|----|----|------|---|----|----|------|----------|-------|
| | □A | D1 | D2 | E | G | □K | 1 | 2 | 3.....12 | |
| GF20 | 48 | 12 | 5 | 34,2 | 5 | 36 | 44 | 57,5 | 71 | 192,5 |



Bohrung für Befestigung mit 4 Schrauben (Ausführung 4V)

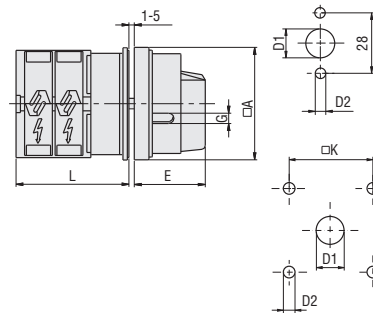
Serie GX

| Serie | Maße | | | | | | L | | | |
|-------------|------|----|----|------|---|----|----|------|----------|-------|
| | □A | D1 | D2 | E | G | □K | 1 | 2 | 3.....12 | |
| GX16 | 48 | 12 | 5 | 34,2 | 5 | 36 | 43 | 51,5 | 60 | 136,5 |
| GX20 | 48 | 12 | 5 | 34,2 | 5 | 36 | 43 | 51,5 | 60 | 136,5 |
| GX32 | 65 | 14 | 5 | 38 | 6 | 48 | 51 | 63 | 75 | 183 |
| GX40 | 65 | 14 | 5 | 38 | 6 | 48 | 51 | 63 | 75 | 183 |

Serie 7GN

| Serie | Maße | | | | | | | | | |
|--------------|------|----|----|------|---|----|----|----|------|--|
| | □A | D1 | D2 | E | G | □K | S | P | L | |
| 7GN12 | 65 | 12 | 5 | 34,2 | 5 | 36 | 43 | 64 | 54,3 | |
| 7GN20 | 65 | 12 | 5 | 34,2 | 5 | 36 | 43 | 64 | 54,3 | |
| 7GN25 | 65 | 12 | 5 | 34,2 | 5 | 36 | 51 | 68 | 62,6 | |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 55 | 77 | 71,7 | |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 55 | 77 | 71,7 | |

Ausführung für Fronteinbau mit in Position 0 abschließbarem, rot/gelbem Griff und Klemmenabdeckungen (U65)

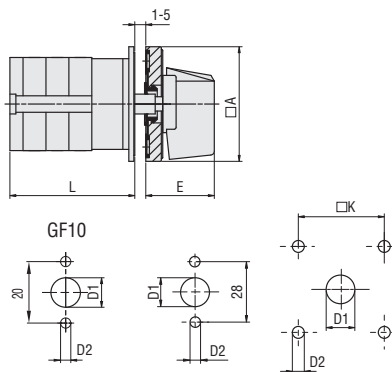


Standardbohrung für 7GN125
Auf Anfrage Bohrung für Befestigung mit 4 Schrauben (Ausführung 4V)

Serie 7GN

| Serie | Maße | | | | | | L | | | |
|---------------|------|----|----|------|---|----|------|------|----------|-------|
| | □A | D1 | D2 | E | G | □K | 1 | 2 | 3.....12 | |
| 7GN12 | 65 | 12 | 5 | 34,2 | 5 | 36 | 36,1 | 45,8 | 55,5 | 142,8 |
| 7GN20 | 65 | 12 | 5 | 34,2 | 5 | 36 | 36,1 | 45,8 | 55,5 | 142,8 |
| 7GN25 | 65 | 12 | 5 | 34,2 | 5 | 36 | 40,5 | 54,1 | 67,7 | 190,1 |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 46,5 | 61,6 | 76,7 | 212,6 |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 46,5 | 61,6 | 76,7 | 212,6 |
| 7GN63 | 65 | 14 | 5 | 38 | 6 | 48 | 50,3 | 68,4 | 86,5 | 249,4 |
| 7GN125 | 90 | 16 | 6 | 49 | 7 | 68 | 67,3 | 96,4 | 125,5 | 394,9 |

Ausführung für Fronteinbau mit schwarzem Griff, Schutzart Vorderseite IP65 (U51)



Standardbohrung für 7GN125
Auf Anfrage Bohrung für Befestigung mit 4 Schrauben (Ausführung 4V)

Serie GF

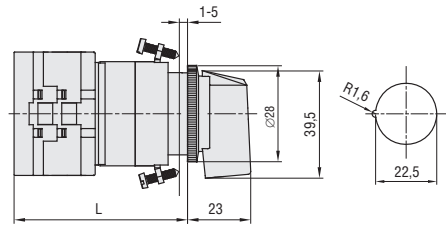
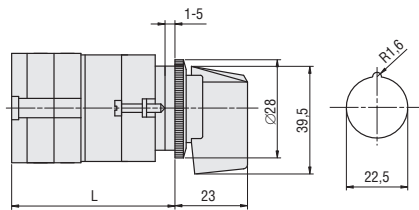
| Serie | Maße | | | | | L | | | |
|-------------|------|----|-----|------|----|----|------|----------|-------|
| | □A | D1 | D2 | E | □K | 1 | 2 | 3.....12 | |
| GF10 | 30 | 9 | 3,2 | 18,5 | - | 40 | 52 | 64 | ① |
| GF20 | 48 | 12 | 5 | 26,5 | 36 | 44 | 57,5 | 71 | 192,5 |

① GF10: max. 8 Elemente

Serie 7GN

| Serie | Maße | | | | | L | | | |
|---------------|------|----|----|------|----|------|------|----------|-------|
| | □A | D1 | D2 | E | □K | 1 | 2 | 3.....12 | |
| 7GN12 | 48 | 12 | 5 | 26,5 | 36 | 36,1 | 45,8 | 55,5 | 142,8 |
| 7GN20 | 48 | 12 | 5 | 26,5 | 36 | 36,1 | 45,8 | 55,5 | 142,8 |
| 7GN25 | 48 | 12 | 5 | 26,5 | 36 | 40,5 | 54,1 | 67,7 | 190,1 |
| 7GN32 | 65 | 14 | 5 | 34,5 | 48 | 46,5 | 61,6 | 76,7 | 212,6 |
| 7GN40 | 65 | 14 | 5 | 34,5 | 48 | 46,5 | 61,6 | 76,7 | 212,6 |
| 7GN63 | 65 | 14 | 5 | 34,5 | 48 | 50,3 | 68,4 | 86,5 | 249,4 |
| 7GN125 | 90 | 16 | 6 | 41,5 | 68 | 67,3 | 96,4 | 125,5 | 394,9 |

Ausführung für Fronteinbau mit schwarzem Griff, ohne Frontplatte, Befestigung in Ø22mm Bohrung (U11)



Serie GF

| Serie | L | | | |
|-------|------|----|----------|-----|
| | 1 | 2 | 3.....12 | |
| GF20 | 54,5 | 68 | 81,5 | 203 |

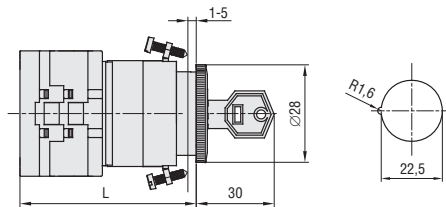
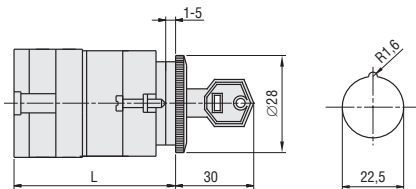
Serie GX

| Serie | L | | | |
|-------|----|------|----------|-------|
| | 1 | 2 | 3.....12 | |
| GX16 | 54 | 62,5 | 71 | 147,5 |
| GX20 | 54 | 62,5 | 71 | 147,5 |

Serie 7GN

| Serie | L | | | |
|-------|------|------|---------|-------|
| | 1 | 2 | 3.....8 | |
| 7GN12 | 47 | 56,7 | 66,4 | 114,9 |
| 7GN20 | 47 | 56,7 | 66,4 | 114,9 |
| 7GN25 | 51,4 | 65 | 78,6 | 146,6 |

Ausführung für Fronteinbau ohne Frontplatte, mit Schlüssel, Befestigung in Ø22mm Bohrung (U12)



Serie GF

| Serie | L | | | |
|-------|------|----|---------|-----|
| | 1 | 2 | 3.....8 | |
| GF20 | 54,5 | 68 | 81,5 | 149 |

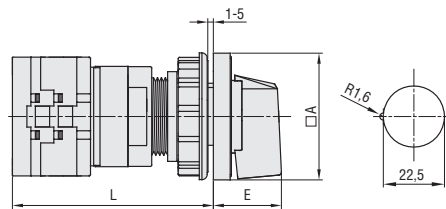
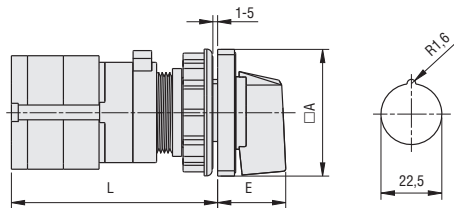
Serie GX

| Serie | L | | | |
|-------|----|------|---------|-------|
| | 1 | 2 | 3.....8 | |
| GX16 | 54 | 62,5 | 71 | 113,4 |
| GX20 | 54 | 62,5 | 71 | 113,4 |

Serie 7GN

| Serie | L | | | |
|-------|------|------|---------|-------|
| | 1 | 2 | 3.....8 | |
| 7GN12 | 47 | 56,7 | 66,4 | 114,9 |
| 7GN20 | 47 | 56,7 | 66,4 | 114,9 |
| 7GN25 | 51,4 | 65 | 78,6 | 146,6 |

Ausführung für Fronteinbau mit schwarzem Griff, Befestigung durch Einrasten in Ø22mm Bohrung (U47)



Serie GF

| Serie | Maße | | L | | | |
|-------|------|------|----|------|---------|-------|
| | □A | E | 1 | 2 | 3.....8 | |
| GF10 | 30 | 18,5 | 60 | 72 | 84 | 144 |
| GF20 | 48 | 26,5 | 56 | 69,5 | 83 | 150,5 |

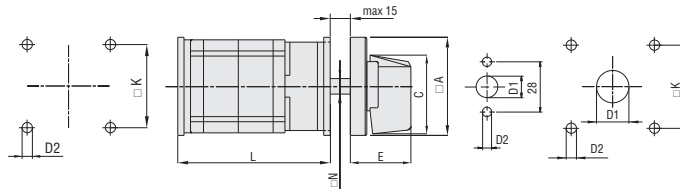
Serie GX

| Serie | Maße | | L | | | |
|-------|------|------|------|------|---------|-------|
| | □A | E | 1 | 2 | 3.....8 | |
| GX16 | 48 | 26,5 | 64,9 | 73,4 | 81,9 | 124,4 |
| GX20 | 48 | 26,5 | 64,9 | 73,4 | 81,9 | 124,4 |

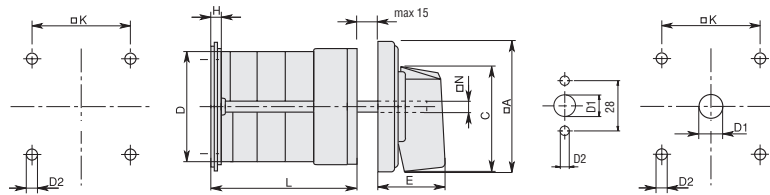
Serie 7GN

| Serie | Maße | | L | | | |
|-------|------|------|------|------|---------|-------|
| | □A | E | 1 | 2 | 3.....8 | |
| 7GN12 | 48 | 26,5 | 58 | 67,7 | 77,4 | 125,9 |
| 7GN20 | 48 | 26,5 | 58 | 67,7 | 77,4 | 125,9 |
| 7GN25 | 48 | 26,5 | 62,4 | 76 | 89,6 | 157,6 |

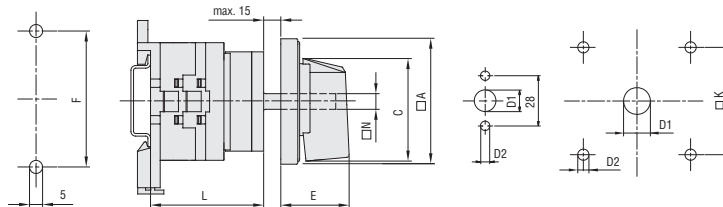
Ausführung für Tafelbau mit schwarzem Griff (0)



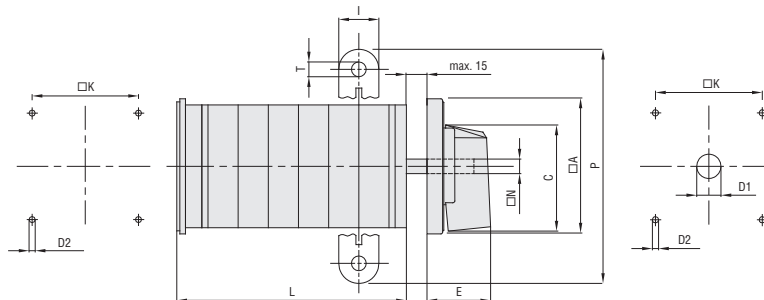
| Serie | Maße | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|-------------|------|------|-----|-----|------|----|----|-----------------------|------|----|------|-----|-------|-----|-------|-----|-------|-----|-------|
| | □A | C | ØD1 | ØD2 | E | □K | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GF20 | 48 | 39,5 | 12 | 5 | 26,5 | 36 | □6 | 46 | 59,5 | 73 | 86,5 | 100 | 113,5 | 127 | 140,5 | 154 | 167,5 | 181 | 194,5 |



| Serie | Maße | | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|---------------|------|------|----|-----|------|-----|----|----|-----------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | □A | C | ØD | ØD2 | E | H | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 7GN12 | 48 | 39,5 | 39 | 5 | 26,5 | 5 | 36 | 6 | 38,1 | 47,8 | 57,5 | 67,2 | 76,9 | 86,6 | 96,3 | 106 | 115,7 | 125,4 | 135,1 | 144,8 |
| 7GN20 | 48 | 39,5 | 39 | 5 | 26,5 | 5 | 36 | 6 | 38,1 | 47,8 | 57,5 | 67,2 | 76,9 | 86,6 | 96,3 | 106 | 115,7 | 125,4 | 135,1 | 144,8 |
| 7GN25 | 48 | 39,5 | 43 | 5 | 26,5 | 5 | 36 | 6 | 42,5 | 56,1 | 69,7 | 83,3 | 96,9 | 110,5 | 124,1 | 137,7 | 151,3 | 164,9 | 178,5 | 192,1 |
| 7GN32 | 65 | 53 | 58 | 5 | 34,5 | 5,5 | 48 | 7 | 48,5 | 63,6 | 78,7 | 93,8 | 108,9 | 124 | 139,1 | 154,2 | 169,3 | 184,4 | 199,5 | 214,6 |
| 7GN40 | 65 | 53 | 58 | 5 | 34,5 | 5,5 | 48 | 7 | 48,5 | 63,6 | 78,7 | 93,8 | 108,9 | 124 | 139,1 | 154,2 | 169,3 | 184,4 | 199,5 | 214,6 |
| 7GN63 | 65 | 53 | 62 | 6 | 34,5 | 7,5 | 68 | 7 | 53,3 | 71,4 | 89,5 | 107,6 | 125,7 | 143,8 | 161,9 | 180 | 198,1 | 216,2 | 234,3 | 252,4 |
| 7GN125 | 90 | 70,5 | 86 | 6 | 41,4 | 7,5 | 68 | 9 | 74,8 | 103,9 | 133 | 162,1 | 191,2 | 220,3 | 249,4 | 278,5 | 307,6 | 336,7 | 365,8 | 394,9 |

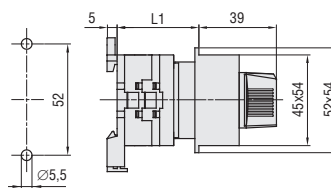
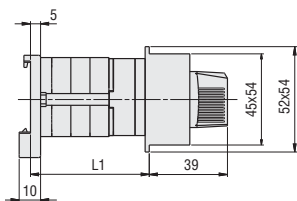


| Serie | Maße | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|-------------|------|------|------|----|----|-----------------------|------|----|------|----|------|-----|------|-----|-------|-----|-------|
| | □A | C | E | F | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GX16 | 48 | 39,5 | 26,5 | 52 | 6 | 37 | 45,5 | 54 | 62,5 | 71 | 79,5 | 88 | 96,5 | 105 | 113,5 | 122 | 130,5 |
| GX20 | 48 | 39,5 | 26,5 | 52 | 6 | 37 | 45,5 | 54 | 62,5 | 71 | 79,5 | 88 | 96,5 | 105 | 113,5 | 122 | 130,5 |
| GX32 | 65 | 53 | 34,5 | 68 | 7 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 |
| GX40 | 65 | 53 | 34,5 | 68 | 7 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 |



| Serie | Maße | | | | | | | | | L Anzahl der Elemente | | | | | | | | | | | |
|--------------|------|-----|-----|----|----|-----|----|-----|------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | □A | C | ØD2 | E | I | □K | □N | P | ØT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GN200 | 132 | 104 | 5,3 | 56 | 20 | 104 | 10 | 140 | 10,5 | 77 | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |
| GN315 | 132 | 104 | 5,3 | 56 | 20 | 104 | 10 | 145 | 10,5 | 77 | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |

Modulare Ausführung mit schwarzem Griff für Befestigung auf DIN-Schiene (048)



Serie GF

| Serie | L1 | | |
|-------------|----|------|----|
| | 1 | 2 | 3 |
| GF20 | 40 | 53,5 | 67 |

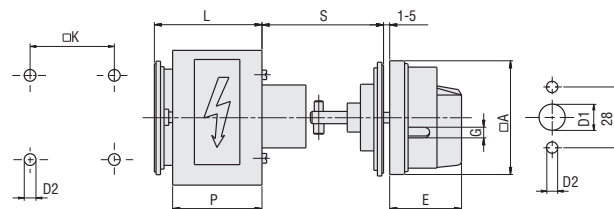
Serie GX

| Serie | L1 | | |
|-------------|----|------|----|
| | 1 | 2 | 3 |
| GX16 | 33 | 41,5 | 50 |
| GX20 | 33 | 41,5 | 50 |

Serie 7GN

| Serie | L1 | | |
|--------------|------|------|------|
| | 1 | 2 | 3 |
| 7GN12 | 38,1 | 47,8 | 57,5 |
| 7GN20 | 38,1 | 47,8 | 57,5 |
| 7GN25 | 42,5 | 56,1 | 69,7 |

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen (088)

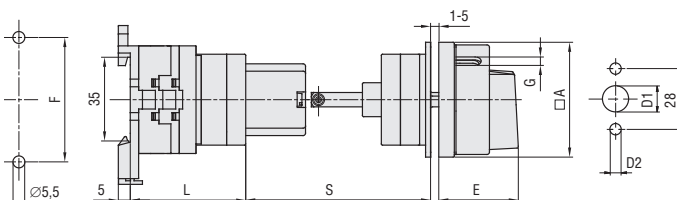


Serie GF

| Serie | Maße | | | | | | | L | | | |
|-------------|------|----|----|------|---|----|-------|----|------|----------|-------|
| | □A | D1 | D2 | E | G | □K | S | 1 | 2 | 3.....12 | |
| GF20 | 48 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 46 | 59,5 | 73 | 194,5 |

Serie 7GN

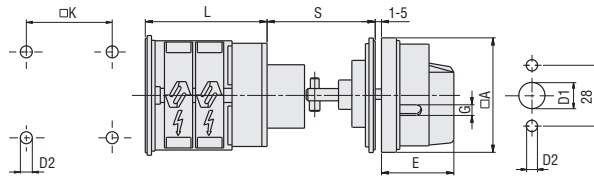
| Serie | Maße | | | | | | | | | |
|--------------|------|----|----|------|---|----|-------|----|------|--|
| | □A | D1 | D2 | E | G | □K | S | P | L | |
| 7GN12 | 65 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 43 | 51,3 | |
| 7GN20 | 65 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 43 | 51,3 | |
| 7GN25 | 65 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 51 | 59,6 | |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 55 | 68,7 | |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 55 | 68,7 | |



Serie GX

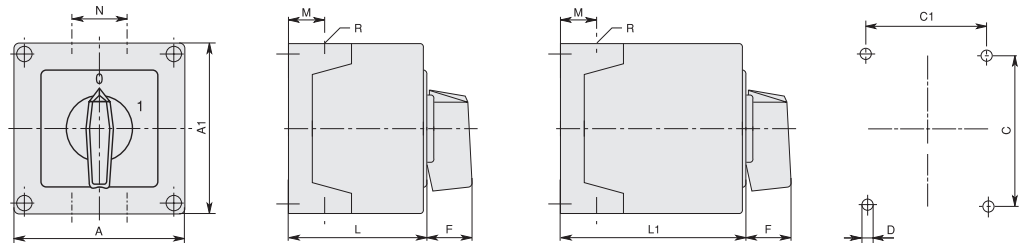
| Serie | Maße | | | | | | | | L | | | |
|-------------|------|----|----|------|----|----|---|-------|----|------|----------|-------|
| | □A | D1 | D2 | E | F | □K | G | S | 1 | 2 | 3.....12 | |
| GX16 | 48 | 12 | 5 | 34,2 | 52 | 36 | 5 | 45-55 | 40 | 48,5 | 57 | 133,5 |
| GX20 | 48 | 12 | 5 | 34,2 | 52 | 36 | 5 | 45-55 | 40 | 48,5 | 57 | 133,5 |
| GX32 | 65 | 14 | 5 | 38 | 68 | 48 | 6 | 45-55 | 51 | 63 | 75 | 183 |
| GX40 | 65 | 14 | 5 | 38 | 68 | 48 | 6 | 45-55 | 51 | 63 | 75 | 183 |

Ausführung für Tafelbau mit in Position 0 abschließbarem, rot/gelbem Griff mit Türverriegelungsfunktion und Klemmenabdeckungen (098)



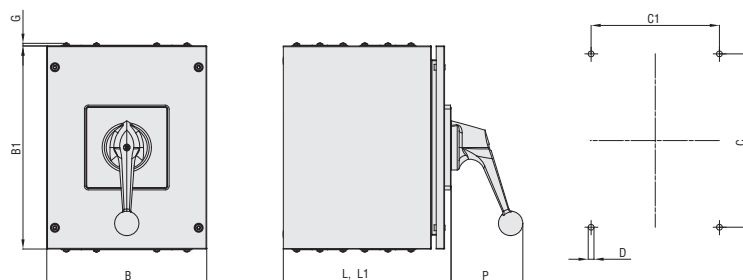
| Serie | Maße | | | | | | | L | | | | |
|-------|------|----|----|------|---|----|-------|------|------|--------|-------|--|
| | □A | D1 | D2 | E | G | □K | S | 1 | 2 | 3...12 | | |
| 7GN12 | 65 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 41,1 | 50,8 | 60,5 | 147,8 | |
| 7GN20 | 65 | 12 | 5 | 34,2 | 5 | 36 | 45-55 | 41,1 | 50,8 | 60,5 | 147,8 | |
| 7GN25 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 51,5 | 66,6 | 81,7 | 217,6 | |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 51,5 | 66,6 | 81,7 | 217,6 | |
| 7GN63 | 65 | 14 | 6 | 38 | 6 | 68 | 45-55 | 57,3 | 75,4 | 93,5 | 256,4 | |

Ausführung im Kunststoffgehäuse mit schwarzem Griff (P) Ausführung im Metallgehäuse mit schwarzem Griff (L) Ausführung im Kunststoffgehäuse mit rot/gelbem Griff (P25)



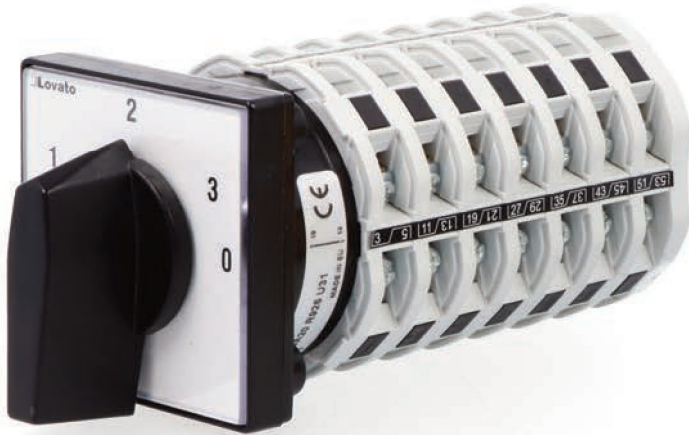
11

| Serie | Maße Gehäuse | Anzahl der Elemente | | Maße | | | | | | | | | | Kabel-eintritt | Schutzart |
|--------|--------------|---------------------|-------|------|-----|------|-----|-----|----|----|------|------|-------|------------------|-----------|
| | | L | L1 | A | A1 | C | C1 | D | F | M | N | L | L1 | | |
| 7GN12 | 75x75 | 1 - 2 | 3 - 4 | 75 | 75 | 50 | 64 | 4,5 | 19 | 14 | 28 | 57,5 | 79,8 | 4xPG13,5 | IP65 |
| 7GN20 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| 7GN25 | | 1 | 2 - 3 | | | | | | | | | | | | |
| 7GN12 | 90x90 | 1 - 3 | 4 - 6 | 90 | 90 | 79 | 63 | 4,5 | 25 | 19 | 30 | 71,3 | 98,3 | 4xPG16 | IP65 |
| 7GN20 | | 1 - 3 | 4 - 6 | | | | | | | | | | | | |
| 7GN25 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| 7GN32 | 110x110 | 1 - 2 | 3 - 4 | 110 | 110 | 98,4 | 83 | 4,5 | 32 | 21 | 39,5 | 85,5 | 119,5 | 4xPG21 | IP65 |
| 7GN40 | | 1 - 2 | 3 - 5 | | | | | | | | | | | | |
| 7GN63 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| 7GN32 | 125x175 | 1 - 3 | 4 - 5 | 125 | 175 | 146 | 112 | 5,5 | 32 | 21 | 68 | 84,3 | 118,3 | 4xPG21 2xPG11 | IP65 |
| 7GN40 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| 7GN63 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| 7GN125 | 180x254 | 1 | 2 | 180 | 254 | 120 | 190 | 5,5 | 32 | 35 | 76 | 121 | 175 | 4xPG29 2xPG11 | IP65 |
| 7GN32 | | 1 - 5 | 6 - 8 | | | | | | | | | | | | |
| 7GN40 | | 1 - 4 | 5 - 7 | | | | | | | | | | | | |
| 7GN63 | 90x90 | 1 - 3 | 4 - 5 | 90 | 90 | 79 | 79 | 4,5 | 25 | 19 | 30 | 71,3 | 98,3 | 4xPG16 | IP65 |
| 7GN12 | | 1 - 2 | 3 - 5 | | | | | | | | | | | | |
| GX20 | | 1 - 2 | 3 - 5 | | | | | | | | | | | | |
| GX16 | 110x110 | 1 - 3 | 4 - 7 | 110 | 110 | 98,4 | 83 | 4,5 | 32 | 21 | 39,5 | 85,5 | 119,5 | 4xPG21 | IP65 |
| GX20 | | 1 - 3 | 4 - 7 | | | | | | | | | | | | |
| GX32 | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| GX40 | 90x90 | 1 - 2 | 3 - 4 | 90 | 90 | 79 | 79 | 4,5 | 25 | 19 | 30 | 71,3 | 98,3 | 4xPG16 | IP65 |
| GX16 | | 1 - 2 | 3 - 5 | | | | | | | | | | | | |



| Serie | Maße Gehäuse | Anzahl der Elemente | | Maße | | | | | | | | | | Schutzart |
|-------|--------------|---------------------|-------|------|-----|-----|-----|-----|-----|---|-----|----|------|-----------|
| | | L | L1 | L | L1 | B | B1 | C | C1 | D | G | P | | |
| GN200 | 250x316 | 1 - 3 | 4 - 6 | 162 | 252 | 250 | 316 | 270 | 200 | 9 | 4,5 | 98 | IP54 | |
| GN315 | | 1 - 3 | 4 - 6 | 162 | 252 | 250 | 316 | 270 | 200 | 9 | 4,5 | 98 | | |

NOCKENSCHALTER SERIE GNA20



● KONVENTIONELLER THERMISCHER STROM IN FREIER LUFT ITH 20A Fronteinbau mit schwarzem Griff

● VERSIONEN IM KUNSTSTOFFGEHÄUSE ERHÄLTlich

● 48 VERFÜGBARE KONTAKTE

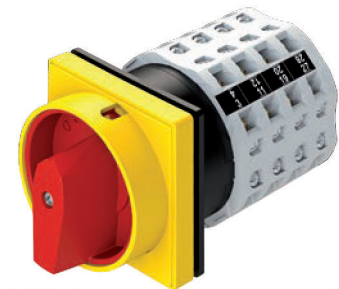
Die Nockenschalter der Serie GNA20 verfügen über 4 Kontakte pro Element. Es sind maximal 12 Schaltpositionen mit 12 Schaltelementen für insgesamt **48 Kontakte** möglich.



Fronteinbau mit abschließbarem rot/gelbem Griff

● GERINGE TIEFE

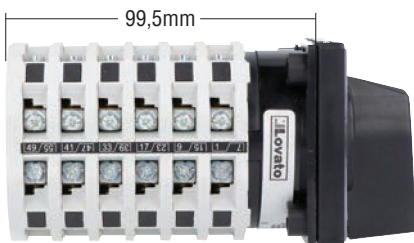
Die Nockenschalter der Serie GNA20 kommen für Anwendungen zum Einsatz, bei denen in der Tafel wenig Platz in der Tiefe zur Verfügung steht.



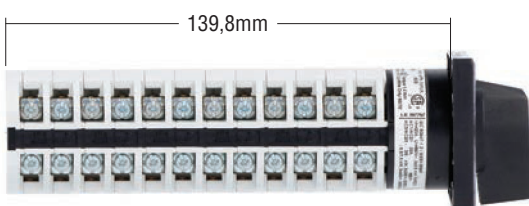
Tafeleinbau mit schwarzem Griff

Beispiel für den Vergleich zwischen der Serie GNA20 und 7GN:

Serie GNA20: 6 Elemente, 24 Kontakte



Serie 7GN: 12 Elemente, 24 Kontakte



Hinsichtlich der Bestimmung der Bestellbezeichnungen für die Serie GNA20 wenden Sie sich bitte an unseren

Zubehör für Nockenschalter



7A014 - 7AR114 -
7A114 - 7AR214



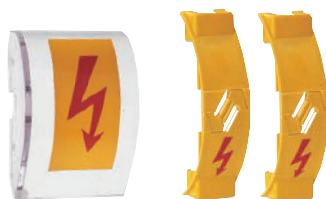
7AR124 - 7A124 -
7AR224 - 7AR324



GXM0 - GXM1 - GXM2 - GXM3 - GXM4



GXM5 - GXM6 - GXM7



7A019... -
7A119...

7A169...



7A180 - 7A181



7A44...

| Bestell- bezeichnung | Beschreibung | St. pro Pack. | Gew. |
|-------------------------|--------------|---------------------|------|
| | | St. | [kg] |

schwarzer Griff ①

| | | | |
|---------------|---------------------------|---|-------|
| 7A014 | Für Frontpl. 48x48mm □6mm | 1 | 0,005 |
| 7AR114 | Für Frontpl. 65x65mm □6mm | 1 | 0,010 |
| 7A114 | Für Frontpl. 65x65mm □7mm | 1 | 0,010 |
| 7AR214 | Für Frontpl. 90x90mm □7mm | 1 | 0,013 |

schwarzer Hebel ①

| | | | |
|---------------|---------------------------|---|-------|
| 7AR124 | Für Frontpl. 65x65mm □6mm | 1 | 0,019 |
| 7A124 | Für Frontpl. 65x65mm □7mm | 1 | 0,020 |
| 7AR224 | Für Frontpl. 90x90mm □8mm | 1 | 0,038 |
| 7AR324 | Für Frontpl. 132x132mm | 1 | 0,050 |

rot/gelber Griff, in Position 0-1 abschließbar

| | | | |
|---------------|--------------|---|-------|
| GXA01 | 48x48mm □6mm | 1 | 0,030 |
| GXA01H | 48x48mm □7mm | 1 | 0,047 |
| GXA11 | 65x65mm □7mm | 1 | 0,047 |

Frontplatten IP40

| | | | |
|-------------|---|---|-------|
| GXM0 | Frontplatte mit neutralem Etikett 30x30mm | 1 | 0,012 |
| GXM1 | Frontplatte mit neutralem Etikett 48x48mm | 1 | 0,018 |
| GXM2 | Frontplatte mit neutralem Etikett 65x65mm | 1 | 0,023 |
| GXM3 | Frontplatte mit neutralem Etikett 90x90mm | 1 | 0,030 |
| GXM4 | Frontplatte mit neutralem Etikett 132x132mm | 1 | 0,040 |

Frontplatten mit Titel IP40

| | | | |
|-------------|--|---|-------|
| GXM5 | Frontplatte mit Titel mit neutralem Etikett 48x60mm | 1 | 0,017 |
| GXM6 | Frontplatte mit Titel mit neutralem Etikett 65x80mm | 1 | 0,033 |
| GXM7 | Frontplatte mit Titel mit neutralem Etikett 90x110mm | 1 | 0,055 |

Schutzart IP20 Versorgungsklemmen, für 2 Elemente mit Schrauben und Halterung

| | | | |
|---------------|----------------------------|---|-------|
| 7A0191 | Für 7GN12-7GN20 | 1 | 0,017 |
| 7A0192 | Für 7GN25 | 1 | 0,021 |
| 7A119U | Für 7GN32-7GN40 Ausführ. U | 1 | 0,033 |
| 7A119O | Für 7GN32-7GN40 Ausführ. O | 1 | 0,101 |

2-teiliges Set, Befestigung durch Einrasten, für 1 Element

| | | | |
|---------------|-----------------|---|-------|
| 7A1691 | Für 7GN32-7GN40 | 1 | 0,005 |
| 7A1692 | Für 7GN63 | 1 | 0,006 |
| 7A1693 | Für 7GN125 | 1 | 0,020 |
| 7A1694 | Für 7GN12-7GN20 | 1 | 0,005 |
| 7A1695 | Für 7GN25 | 1 | 0,005 |

Platte zur Befestigung auf 35mm DIN-Schiene, DIN 46277/3 für Ausführungen U...

| | | | |
|--------------|----------------------------|---|-------|
| 7A180 | Für 7GN12...7GN25 und GF20 | 1 | 0,011 |
| 7A181 | Für 7GN32...7GN63 | 1 | 0,018 |

Gummiabdeckung IP40 ②, Steckbefestigung

| | | | |
|--------------|--|---|-------|
| 7A441 | Ø57mm - Länge 90mm für 7GN12-7GN20-7GN25 bis 2 Elemente | 1 | 0,045 |
| 7A442 | Ø57mm - Länge 115mm für 7GN12-7GN20-7GN25 3 bis 4 Elemente | 1 | 0,065 |
| 7A443 | Ø57mm - Länge 140mm für 7GN12-7GN20-7GN25 5 bis 6 Elemente | 1 | 0,063 |
| 7A444 | Ø87mm - Länge 112mm für 7GN32...7GN40 bis 4 Elemente, für 7GN63 bis 3 Elemente | 1 | 0,065 |

① Hinsichtlich der Abmessungen der Welle bitte auf den Wert □N Bezug nehmen, der für die einzelnen Ausführungen angegeben ist.
② Erhöht die Schutzart der Kontakte von IP00 auf IP20

11 Nockenschalter

Technische Eigenschaften

| TYP | | GF10 | GF20 | 7GN12 | 7GN20 | 7GN25 | 7GN32 | 7GN40 | 7GN63 | 7GN125 | GX16 | GX20 | GX32 | GX40 | GN200 | GN315 | GNA20 | |
|--|------|------|------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|-------|------------------|-------------------|------|
| Bemessungsisolationsspannung | | | | | | | | | | | | | | | | | | |
| Ui IEC/EN | V | 480 | 480 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | |
| UL/CSA | V | 240 | 240 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | |
| Bemessungsstoßspannungsfestigkeit | | | | | | | | | | | | | | | | | | |
| Uimp IEC/EN 60947-3 | kV | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 6 | |
| Thermischer Nennstrom | | | | | | | | | | | | | | | | | | |
| Ith IEC/EN | A | 10 | 20 | 16 | 20 | 25 | 32 | 40 | 63 | 125 | 16 | 20 | 32 | 40 | 200 | 315 | 20 | |
| UL/CSA (allgemeine Anwendung) | A | 10 | 15 | 15 | 20 | 30 | 40 | 50 | 60 | 130 | 12 | 15 | 32 | 40 | 200 | 255 | 15 | |
| Max. Bemessungsbetriebsspannung (nur für Schalter) | V | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 690 | 440 | 440 | 440 | 440 | 690 | 690 | 480 | |
| Bemessungsstoßspannungsfestigkeit (nur für Schalter) | kV | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 6 | 6 | 4 | |
| Max. Größe Sicherungen für Kurzschlusschutz | | | | | | | | | | | | | | | | | | |
| In (GG) | 10kA | A | 16 | 20 | 16 | 20 | 25 | 32 | 40 | 63 | 125 | 16 | 20 | 35 | 40 | 200 ² | 315 ² | 20 |
| | 15kA | A | – | 20 | 10 | 16 | 25 | 32 | 40 | 63 | 100 | 16 | 20 | 35 | 35 | 200 ² | 31 ² 5 | 20 |
| | 25kA | A | – | 20 | 10 | 16 | 25 | 32 | 40 | 63 | 100 | 16 | 20 | 35 | 35 | – | – | 20 |
| | 50kA | A | – | – | – | – | – | 32 | 40 | 63 | 100 | – | – | – | – | – | – | – |
| | 63kA | A | – | – | – | – | – | – | 40 | 63 | 100 | – | – | – | – | – | – | – |
| Kurzzeitig zulässiger Nennstrom Icw | 1s | A | 250 | 250 | 200 | 250 | 400 | 800 | 1000 | 1600 | 2100 | 250 | 250 | 1000 | 1000 | 3300 | 5200 | 220 |
| Leitfähigkeit | mA/V | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | 10/5 | – | – | 10/5 |
| Bemessungsbetriebsströme | | | | | | | | | | | | | | | | | | |
| Ie AC1/AC21A (IEC/EN) | A | 10 | 20 | 16 | 20 | 25 | 32 | 40 | 63 | 125 | 16 | 20 | 32 | 40 | 200 | 315 | 20 | |
| AC15 (IEC/EN) | | | | | | | | | | | | | | | | | | |
| 110...120V | A | 5 | 10 | 10 | 10 | 16 | 25 | 25 | 32 | 40 | 10 | 10 | 25 | 25 | – | – | – | |
| 220...230V | A | 3 | 8 | 8 | 8 | 12 | 20 | 22 | 25 | 28 | 8 | 8 | 20 | 22 | – | – | – | |
| 380...400V | A | 2 | 6 | 4 | 6 | 8 | 10 | 12 | 15 | 15 | 4 | 6 | 10 | 12 | – | – | – | |
| 660...690V | A | – | – | 1,5 | 1,5 | 2 | 2 | 2 | 4 | 5 | 1,5 | 1,5 | 2 | 2 | – | – | – | |
| Schalter für Motoren in Gebrauchskategorien mit Wechselstrom | | | | | | | | | | | | | | | | | | |
| AC3 (IEC/EN) | | | | | | | | | | | | | | | | | | |
| 220...230V | kW | 1,5 | 3 | 2,5 | 3 | 5,5 | 7,5 | 8 | 11 | 18,5 | 3,5 | 3,7 | 7,5 | 7,5 | 27,5 | 37 | 3 | |
| 3 Phasen | | | | | | | | | | | | | | | | | | |
| 380...440V | kW | 2,2 | 5 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 37 | 4,5 | 5,5 | 11 | 15 | 47 | 55 | 5,5 | |
| 500...690V | kW | – | – | 5,5 | 5,5 | 7,5 | 11 | 15 | 18,5 | 33 | 5,5 | 5,5 | 11 | 15 | – | 69 | 5,5 | |
| 1 Phase (2 Pole) | | | | | | | | | | | | | | | | | | |
| 110...120V | kW | 0,3 | 0,5 | 0,8 | 0,8 | 1,5 | 2,2 | 3 | 3,7 | 5 | 0,55 | 0,75 | 1,8 | 2,2 | – | 11 | 0,6 | |
| 220...230V | kW | 0,55 | 1,5 | 1,5 | 2,2 | 3 | 4 | 6,5 | 6,5 | 11 | 1,5 | 1,8 | 3,5 | 4,4 | – | 22 | 2,2 | |
| 380...440V | kW | 0,75 | 2 | 2,2 | 3 | 5,5 | 6,5 | 8 | 11,5 | 15 | 2,2 | 3 | 5,5 | 7 | – | 30 | 3 | |
| AC23A (IEC/EN) | | | | | | | | | | | | | | | | | | |
| 220...230V | kW | 1,8 | 4 | 3 | 5 | 6,5 | 8 | 8 | 12,5 | 30 | 3,7 | 4 | 8 | 9 | – | 75 | 3,7 | |
| 3 Phasen | | | | | | | | | | | | | | | | | | |
| 380...440V | kW | 3 | 7,5 | 5,5 | 7,5 | 11 | 15 | 18,5 | 30 | 45 | 6,5 | 7,5 | 15 | 18,5 | 47 | 110 | 7,5 | |
| 500...690V | kW | – | – | 7,5 | 7,5 | 11 | 18,5 | 22 | 30 | 37 | 7,5 | 7,5 | 15 | 15 | – | 45 | 7,5 | |
| 1 Phase (2 Pole) | | | | | | | | | | | | | | | | | | |
| 110...120V | kW | 0,7 | 0,75 | 0,8 | 0,8 | 1,5 | 2,2 | 3 | 3,7 | 5 | 0,75 | 0,75 | 2,2 | 3 | – | 15 | 0,75 | |
| 220...230V | kW | 0,75 | 2 | 1,7 | 2,5 | 3,7 | 4 | 6 | 7,5 | 11 | 1,8 | 2,2 | 3,5 | 5,2 | – | 37 | 2,2 | |
| 380...440V | kW | 1,1 | 2,5 | 3 | 3,7 | 5,5 | 7,5 | 11 | 12,5 | 15 | 3 | 3,5 | 6 | 7,5 | – | 55 | 3,7 | |

① Für GN200 und GN315 ist die Gebrauchskategorie AC23B

② Sicherung Typ aR

11 Nockenschalter

Technische Eigenschaften

| TYP | | GF10 | GF20 | 7GN12 | 7GN20 | 7GN25 | 7GN32 | 7GN40 | 7GN63 | 7GN125 | GX16 | GX20 | GX32 | GX40 | GN200 | GN315 | GNA20 | | |
|---|----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|---|
| Schalter für Motoren | | | | | | | | | | | | | | | | | | | |
| Direkte Steuerung (UL/CSA-DOL) 3 Phasen | 120V | HP | – | – | 1,5 | 1,5 | 3 | 5 | 5 | 7,5 | 15 | 1,5 | 1,5 | 3 | 5 | 30 | 30 | 1,5 | |
| | 240V | HP | 2 | 3 | 3 | 3 | 5 | 10 | 10 | 15 | 25 | 3 | 3 | 7,5 | 10 | 50 | 50 | 2 | |
| | 480V | HP | – | – | – | 7,5 | 10 | 15 | 20 | 25 | 50 | 5 | 5 | 15 | 15 | 100 | 100 | 5 | |
| | 600V | HP | – | – | – | 10 | 15 | 15 | 20 | 25 | 40 | 5 | 5 | 15 | 15 | 75 | 75 | 5 | |
| 1 Phase (2 Pole) | 120V | HP | – | – | 0,5 | 0,75 | 1,5 | 2 | 2 | 3 | 5 | 0,75 | 0,75 | 1,5 | 2 | 15 | 15 | – | |
| | 240V | HP | 0,75 | 1 | 1 | 2 | 3 | 5 | 5 | 10 | 15 | 1 | 1,5 | 3 | 5 | 30 | 30 | – | |
| Schalter für Motoren in Gebrauchs- kategorie mit Gleichstrom | | | | | | | | | | | | | | | | | | | |
| DC21A | 48V | A | 10 | 20 | 12 | 20 | 25 | 32 | 40 | 63 | 125 | 16 | 20 | 32 | 40 | 200 | 200 | – | |
| | 60V | A | 7 | 20 | 12 | 20 | 25 | 32 | 40 | 50 | 80 | 16 | 20 | 32 | 40 | 200 | 200 | – | |
| | le | 110V | A | 2 | 4 | 4 | 4 | 4 | 6 | 6 | 8 | 10 | 4 | 4 | 5 | 6 | 35 | 35 | – |
| | | 220V | A | 0,7 | 0,7 | 0,6 | 0,6 | 0,7 | 0,9 | 0,9 | 1 | 1,2 | 0,6 | 0,6 | 0,8 | 0,8 | 2,5 | 2,5 | – |
| | | 440V | A | 0,2 | 0,2 | 0,25 | 0,25 | – | – | – | – | – | 0,25 | 0,25 | 0,25 | 0,25 | 0,9 | 0,9 | – |
| DC23A | 24V | A | – | – | 10(1) | 20(1) | 25(1) | 32(1) | 40(1) | 50(1) | 125(1) | 16(1) | 20(1) | 32(1) | 40(1) | – | – | – | |
| | 48V | A | – | – | 10(2) | 20(2) | 25(2) | 32(2) | 40(2) | 50(2) | 125(2) | 16(2) | 20(2) | 32(2) | 40(1) | – | – | – | |
| | 60V | A | – | – | 10(3) | 20(3) | 25(3) | 32(3) | 40(3) | 50(3) | 125(3) | 16(3) | 20(3) | 32(3) | 40(3) | – | – | – | |
| Die Anzahl der in Klammern angeg. Kontakte in Reihe schalten | 110V | A | – | – | 5(3) | 10(3) | 12(3) | 15(3) | 20(3) | 25(3) | 50(3) | 10(3) | 10(3) | 15(3) | 40(3) | – | – | – | |
| | 220V | A | – | – | 5(4) | 8(4) | 10(4) | 12(4) | 12(4) | 15(4) | 20(4) | 7(4) | 8(4) | 12(4) | 12(4) | – | – | – | |
| DC13 | 24V | A | 3 | 6 | 12 | 20 | 25 | 32 | 40 | 63 | 125 | 16 | 20 | 32 | 40 | – | – | – | |
| | 48V | A | 3 | 6 | 10 | 16 | 20 | 25 | 32 | 40 | 100 | 14 | 16 | 25 | 32 | – | – | – | |
| | 60V | A | 2 | 3 | 8 | 12 | 16 | 16 | 16 | 28 | 50 | 10 | 12 | 14 | 16 | – | – | – | |
| | le | 110V | A | 1 | 1 | 1 | 1 | 1,5 | 3 | 3 | 3,3 | 4 | 1 | 1 | 3 | 3 | – | – | – |
| | | 220V | A | 0,3 | 0,4 | 0,4 | 0,4 | 0,4 | 0,5 | – | – | – | 0,4 | 0,4 | 0,5 | 0,5 | – | – | – |
| 440V | A | 0,1 | 0,15 | 0,15 | 0,15 | – | – | – | – | – | 0,15 | 0,15 | 0,15 | 0,15 | – | – | – | | |
| Verlustleistung | W/Pol | 0,4 | 0,8 | 0,8 | 0,8 | 1,1 | 1,5 | 2,0 | 3,4 | 6,3 | 0,6 | 0,6 | 1,6 | 1,6 | 26 | 64,5 | 1 | | |
| Mechanische Lebensdauer | Schaltz. | 1x10 ⁶ | 1x10 ⁶ | 3x10 ⁶ | 5x10 ⁶ | 5x10 ⁶ | 5x10 ⁶ | 5x10 ⁶ | 5x10 ⁶ | 1x10 ⁶ | 1x10 ⁶ | 1x10 ⁶ | 1x10 ⁶ | 1x10 ⁶ | 2x10 ⁵ | 2x10 ⁵ | 1x10 ⁶ | | |
| Schraube der Klemme | M | 2,5 | 3 | 3 | 3 | 3,5 | 4 | 4 | 5 | 2x5 | 3 | 3 | 4 | 4 | 10 | 10 | 3 | | |
| Anzugsmoment | max. | Nm | 0,4 | 0,5 | 0,5 | 0,5 | 0,8 | 1,2 | 1,2 | 2 | 2 | 0,5 | 0,8 | 1,2 | 1,2 | 10 | 10 | 0,5 | |
| Leiterquerschnitt | max. r/f | 2xmm ² | 1,5/1,5 | 2,5/2,5 | 2,5/2,5 | 2,5/2,5 | 4/4 | 6/4 | 10/6 | 16/10 | 50/50 | 2,5/2,5 | 2,5/2,5 | 10/6 | 10/6 | 1x95 | 1x185 | 2,5/25 | |
| | | 2xAWG | 14/14 | 12/12 | 12/14 | 12/14 | 10/12 | 8/10 | 8/10 | 6/8 | 1/0/1/0 | 12/12 | 12/12 | 8/10 | 8/10 | 1x3/0 | 1xmcmm 350 | 12/14 | |
| | min. r/f | 2xmm ² | 0,5/0,5 | 0,5/0,5 | 0,5/0,5 | 0,5/0,5 | 0,5/0,5 | 1,5/1,5 | 1,5/1,5 | 2,5/2,5 | 2,5/2,5 | 0,5/0,5 | 0,5/0,5 | 1,5/1,5 | 1,5/1,5 | – | – | 0,5/0,5 | |
| r: starr f: biegsam | 2xAWG | 20/20 | 20/20 | 20/20 | 20/20 | 20/20 | 16/16 | 16/16 | 14/14 | 14/14 | 20/20 | 20/20 | 16/16 | 16/16 | – | – | 20/20 | | |
| UMGEBUNGSBEDINGUNGEN | | | | | | | | | | | | | | | | | | | |
| Betriebstemperatur | °C | –25...+55 | | | | | | | | | | | | | | | | | |
| Lagertemperatur | °C | –40...+70 | | | | | | | | | | | | | | | | | |