

Sample image

## Datasheet

**Article number:** 70011178

**Designation:** KG32B.T204/09.VE

**Description:** Switch Global Disconnecter

|                                                                                                                                                              |                           |                                                                        |               |              |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------|---------------|--------------|---------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |                           |                                                                        |               |              |                           |
| Märkdriftspänning Ui                                                                                                                                         |                           |                                                                        |               |              |                           |
| Spänning (V) AC / DC                                                                                                                                         |                           |                                                                        |               |              |                           |
| 690 AC                                                                                                                                                       |                           |                                                                        |               |              |                           |
| Märkdriftström vid konstant drift                                                                                                                            |                           |                                                                        |               |              |                           |
| Ström (A)                                                                                                                                                    | Omgivningstemperatur (°C) | Temperatur topp (°C) ytterligare krav                                  |               |              |                           |
| 32                                                                                                                                                           | 50                        | 55 Omginingstemperatur +50°C under 24 timmar med toppar upp till +55°C |               |              |                           |
| Märkdriftström Ie                                                                                                                                            |                           |                                                                        |               |              |                           |
| Urvals kriterie                                                                                                                                              | Spänning (V)              |                                                                        |               |              | Ström (A)                 |
| AC-32A                                                                                                                                                       | 20 - 400                  |                                                                        |               |              | 32                        |
| Märkdrifteffekt                                                                                                                                              |                           |                                                                        |               |              |                           |
| Urvals kriterie                                                                                                                                              | Spänning (V)              | No. of phases                                                          |               | No. of poles | Effekt (kW)               |
| AC-3                                                                                                                                                         | 220 - 240                 | 3                                                                      |               | 3            | 5,50                      |
| AC-3                                                                                                                                                         | 380 - 440                 | 3                                                                      |               | 3            | 7,50                      |
| AC-3                                                                                                                                                         | 660 - 690                 | 3                                                                      |               | 3            | 7,50                      |
| AC-23A                                                                                                                                                       | 220 - 240                 | 3                                                                      |               | 3            | 5,50                      |
| AC-23A                                                                                                                                                       | 380 - 440                 | 3                                                                      |               | 3            | 11                        |
| AC-23A                                                                                                                                                       | 660 - 690                 | 3                                                                      |               | 3            | 11                        |
| Max försäkring, IEC                                                                                                                                          |                           |                                                                        |               |              |                           |
| Säkringskaraktéristik                                                                                                                                        | Antal säkringar           |                                                                        |               |              | Ström (A)                 |
| gG                                                                                                                                                           | 1                         |                                                                        |               |              | 35                        |
| UL60947-4-1 , UL508                                                                                                                                          |                           |                                                                        |               |              |                           |
| Nominal Voltage                                                                                                                                              |                           |                                                                        |               |              |                           |
| Spänning (V) AC / DC                                                                                                                                         |                           |                                                                        |               |              |                           |
| 600 AC                                                                                                                                                       |                           |                                                                        |               |              |                           |
| Märkdriftspänning Ui                                                                                                                                         |                           |                                                                        |               |              |                           |
| Spänning (V) AC / DC                                                                                                                                         |                           |                                                                        |               |              |                           |
| 600 AC                                                                                                                                                       |                           |                                                                        |               |              |                           |
| Rated thermal current                                                                                                                                        |                           |                                                                        |               |              |                           |
| Ström (A)                                                                                                                                                    |                           | Omgivningstemperatur (°C) Additional Text                              |               |              |                           |
| 30                                                                                                                                                           |                           | 0 - 40 --                                                              |               |              |                           |
| Horsepower rating                                                                                                                                            |                           |                                                                        |               |              |                           |
| Across-the-Line Motor Starting                                                                                                                               | Spänning (V)              | No. of phases                                                          | No. of poles  | Power (HP)   | Ambient temperature [°C]  |
| DOL                                                                                                                                                          | 110 - 120                 | 1                                                                      | 2             | 1,50         | 40                        |
| DOL                                                                                                                                                          | 200 - 208                 | 1                                                                      | 2             | 3            | 40                        |
| DOL                                                                                                                                                          | 220 - 240                 | 1                                                                      | 2             | 5            | 40                        |
| DOL                                                                                                                                                          | 277 - 277                 | 1                                                                      | 2             | 5            | 40                        |
| DOL                                                                                                                                                          | 415 - 415                 | 1                                                                      | 2             | 5            | 40                        |
| DOL                                                                                                                                                          | 440 - 480                 | 1                                                                      | 2             | 7,50         | 40                        |
| DOL                                                                                                                                                          | 550 - 600                 | 1                                                                      | 2             | 7,50         | 40                        |
| DOL                                                                                                                                                          | 110 - 120                 | 3                                                                      | 3             | 3            | 40                        |
| DOL                                                                                                                                                          | 200 - 240                 | 3                                                                      | 3             | 10           | 40                        |
| DOL                                                                                                                                                          | 415 - 415                 | 3                                                                      | 3             | 10           | 40                        |
| DOL                                                                                                                                                          | 440 - 480                 | 3                                                                      | 3             | 20           | 40                        |
| DOL                                                                                                                                                          | 550 - 600                 | 3                                                                      | 3             | 25           | 40                        |
| Pilot duty rating code                                                                                                                                       |                           |                                                                        |               |              |                           |
| Duty Code                                                                                                                                                    |                           |                                                                        |               |              |                           |
| A600                                                                                                                                                         |                           |                                                                        |               |              |                           |
| SCCR / Max. fuse rating                                                                                                                                      |                           |                                                                        |               |              |                           |
| Conditions of acceptability                                                                                                                                  |                           |                                                                        |               |              |                           |
| This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses. |                           |                                                                        |               |              |                           |
| Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 40A Class J fuses.           |                           |                                                                        |               |              |                           |
| Temp. rating of wire                                                                                                                                         |                           |                                                                        |               |              |                           |
| Temperature rating (°C)                                                                                                                                      |                           | Ström (A) Text                                                         |               |              |                           |
| 60 - 75                                                                                                                                                      |                           | -- --                                                                  |               |              |                           |
| General Use                                                                                                                                                  |                           |                                                                        |               |              |                           |
| AC / DC                                                                                                                                                      | Spänning (V)              | Ström (A)                                                              | No. of phases | No. of poles | No. of contacts in series |
| AC                                                                                                                                                           | 277                       | 30                                                                     | 1             | 1            | 1                         |
| AC                                                                                                                                                           | 600                       | 30                                                                     | 1             | 2            | 1                         |
| AC                                                                                                                                                           | 600                       | 30                                                                     | 3             | 3            |                           |

|                                                                                                                                                                                                                                                                                                        |                   |              |                                                                                     |                                    |                                                                                       |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------|--------------------------|
| General Information                                                                                                                                                                                                                                                                                    |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Text                                                                                                                                                                                                                                                                                                   |                   |              |                                                                                     |                                    |                                                                                       |                          |
| - The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers. |                   |              |                                                                                     |                                    |                                                                                       |                          |
| - När brytaren används som säkerhetsbrytare skall den vara utrustad med vred som är låsbart i läge "0".                                                                                                                                                                                                |                   |              |                                                                                     |                                    |                                                                                       |                          |
| CSA                                                                                                                                                                                                                                                                                                    |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Nominal Voltage                                                                                                                                                                                                                                                                                        |                   |              |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | Spänning (V) AC / DC                                                                |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | 600 AC                                                                              |                                    |                                                                                       |                          |
| Märkdriftspänning Ui                                                                                                                                                                                                                                                                                   |                   |              |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | Spänning (V) AC / DC                                                                |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | 600 AC                                                                              |                                    |                                                                                       |                          |
| Rated thermal current                                                                                                                                                                                                                                                                                  |                   |              |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   | Ström (A)    | Omgivningstemperatur (°C)                                                           |                                    | Additional Text                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   | 30           | 0 - 40                                                                              |                                    | --                                                                                    |                          |
| Horsepower rating                                                                                                                                                                                                                                                                                      |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |                   | Spänning (V) | No. of phases                                                                       | No. of poles                       | Power (HP)                                                                            | Ambient temperature [°C] |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 110 - 120    | 1                                                                                   | 2                                  | 1,50                                                                                  | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 220 - 240    | 1                                                                                   | 2                                  | 5                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 277 - 277    | 1                                                                                   | 2                                  | 5                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 415 - 415    | 1                                                                                   | 2                                  | 5                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 440 - 480    | 1                                                                                   | 2                                  | 7,50                                                                                  | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 550 - 600    | 1                                                                                   | 2                                  | 7,50                                                                                  | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 110 - 120    | 3                                                                                   | 3                                  | 3                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 220 - 240    | 3                                                                                   | 3                                  | 10                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 415 - 415    | 3                                                                                   | 3                                  | 10                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 440 - 480    | 3                                                                                   | 3                                  | 20                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 550 - 600    | 3                                                                                   | 3                                  | 25                                                                                    | 40                       |
| Pilot duty rating code                                                                                                                                                                                                                                                                                 |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Duty Code                                                                                                                                                                                                                                                                                              |                   |              |                                                                                     |                                    |                                                                                       |                          |
| A600                                                                                                                                                                                                                                                                                                   |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Temp. rating of wire                                                                                                                                                                                                                                                                                   |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Temperature rating (°C)                                                                                                                                                                                                                                                                                |                   |              | Ström (A) Text                                                                      |                                    |                                                                                       |                          |
| 75                                                                                                                                                                                                                                                                                                     |                   |              | -- --                                                                               |                                    |                                                                                       |                          |
| General Use                                                                                                                                                                                                                                                                                            |                   |              |                                                                                     |                                    |                                                                                       |                          |
| AC / DC                                                                                                                                                                                                                                                                                                | Spänning (V)      | Ström (A)    | No. of phases                                                                       | No. of poles                       | No. of contacts in series                                                             |                          |
| AC                                                                                                                                                                                                                                                                                                     | 277               | 30           | 1                                                                                   | 1                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 30           | 1                                                                                   | 2                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 30           | 3                                                                                   | 3                                  | 1                                                                                     |                          |
| GENERAL TECHNICAL INFORMATION                                                                                                                                                                                                                                                                          |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Size of conductor                                                                                                                                                                                                                                                                                      |                   |              |                                                                                     |                                    |                                                                                       |                          |
| composition of conductor                                                                                                                                                                                                                                                                               | Min. / Max. value |              | No. of conductor per terminal                                                       | Cross section (mm²) or (AWG/kcmil) |                                                                                       | Material of the wire     |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              |              | 1                                                                                   | 1 AWG 10                           |                                                                                       | Copper                   |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              |              | 1                                                                                   | 4mm²                               |                                                                                       | Copper                   |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              |              | 1                                                                                   | 6mm²                               |                                                                                       | Copper                   |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              |              | 1                                                                                   | 1 AWG 10                           |                                                                                       | Copper                   |
| flexible wire with sleeve                                                                                                                                                                                                                                                                              | Max.              |              | 1                                                                                   | 4mm²                               |                                                                                       | Copper                   |
| Stripping length                                                                                                                                                                                                                                                                                       |                   |              |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | Length (mm) --                                                                      |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              |  |                                    |                                                                                       |                          |
| Rekomenderad skruvmejsel                                                                                                                                                                                                                                                                               |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Typ av skruvmejsel                                                                                                                                                                                                                                                                                     |                   |              | Value                                                                               |                                    |                                                                                       |                          |
| Stjärnskruvmejsel                                                                                                                                                                                                                                                                                      |                   |              | PH2                                                                                 |                                    |                                                                                       |                          |
| Slot screwdriver according to DIN 5264                                                                                                                                                                                                                                                                 |                   |              | 0,8x4                                                                               |                                    |                                                                                       |                          |
| Tightening torque of screws                                                                                                                                                                                                                                                                            |                   |              |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | tightening torque (Nm)                                                              |                                    | tightening torque (lb-in)                                                             |                          |
|                                                                                                                                                                                                                                                                                                        |                   |              | 1,25                                                                                |                                    | 11                                                                                    |                          |
| Approbations                                                                                                                                                                                                                                                                                           |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Specification                                                                                                                                                                                                                                                                                          |                   |              |                                                                                     |                                    | Marking                                                                               |                          |
| EAC                                                                                                                                                                                                                                                                                                    |                   |              |                                                                                     |                                    |  |                          |
| CE marking                                                                                                                                                                                                                                                                                             |                   |              |                                                                                     |                                    |  |                          |
| UK Directives                                                                                                                                                                                                                                                                                          |                   |              |                                                                                     |                                    |  |                          |
| CSA C.22.2 No.14                                                                                                                                                                                                                                                                                       |                   |              |                                                                                     |                                    |  |                          |
| GB/T14048.3                                                                                                                                                                                                                                                                                            |                   |              |                                                                                     |                                    |  |                          |
| General Information                                                                                                                                                                                                                                                                                    |                   |              |                                                                                     |                                    |                                                                                       |                          |
| Text                                                                                                                                                                                                                                                                                                   |                   |              |                                                                                     |                                    |                                                                                       |                          |
| - EMC Note: This device is suitable for use in environment A and B.                                                                                                                                                                                                                                    |                   |              |                                                                                     |                                    |                                                                                       |                          |

## General Information

### Text

- Smörjning och behandling av kontakterna är förbjuden.
- Inkoppling och service av strömställaren får endast utföras av behörig personal. Strömställaren är underhållsfri.
- Använd endast kopparkabel. Kabeln får inte förtennas.
- Alla anslutningsskruvar måste dras med rekommenderat moment, även de som inte används då det kan finnas interna överkopplingar.

### Waste Electrical & Electronic Equipment (WEEE)

#### Picture name Description



Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company, return to the supplier for disposal, or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at [www.krausnaimer.com](http://www.krausnaimer.com)

### Proposition 65

#### Picture name Description



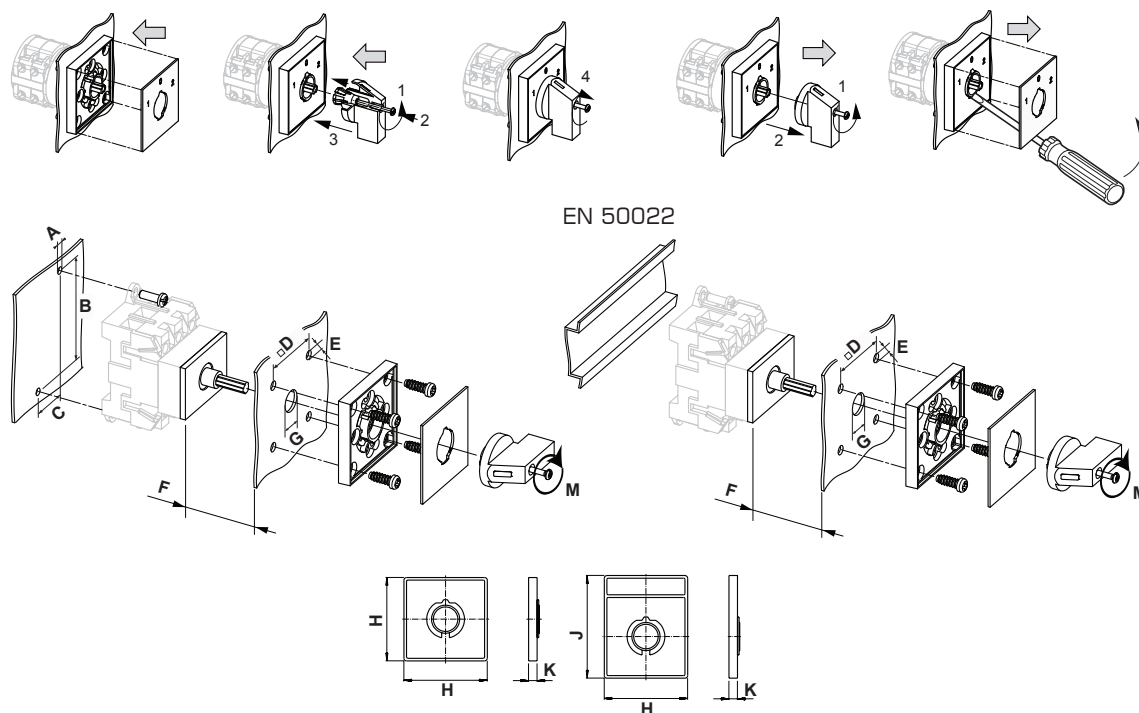
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-VE

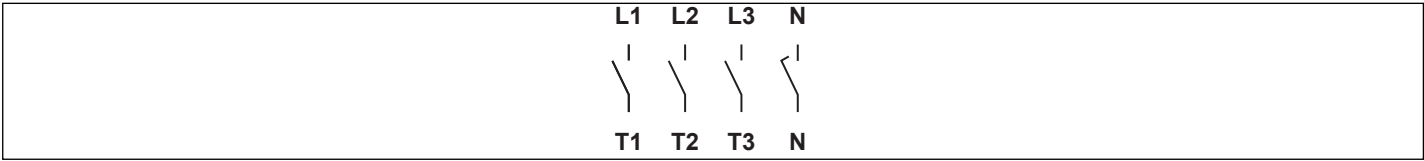


|                            |   |                  |
|----------------------------|---|------------------|
| Skyddsklass frontpanel, IP |   | IP40             |
| Stages                     |   | 1,00 - 5,00      |
| A                          | Ø | 4,10 mm          |
| B                          | H | 60,00 mm         |
| B-tol.                     | H | ± 0,50 mm        |
| C                          | H | 22,50 mm         |
| C-tol.                     | H | ± 0,50 mm        |
| D                          | □ | 48,00 mm         |
| E                          | Ø | 5,00 mm          |
| F                          | H | <= 13,50 mm      |
| G                          | Ø | 10,00 - 15,00 mm |
| H                          | H | 64,00 mm         |
| J                          | H | 78,00 mm         |
| K                          | H | 7,40 mm          |
| M                          | M | 0,70 Nm          |



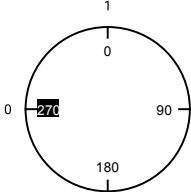
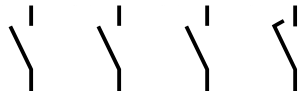
Wiring diagram

KG32B.T304.VE



## Switch program

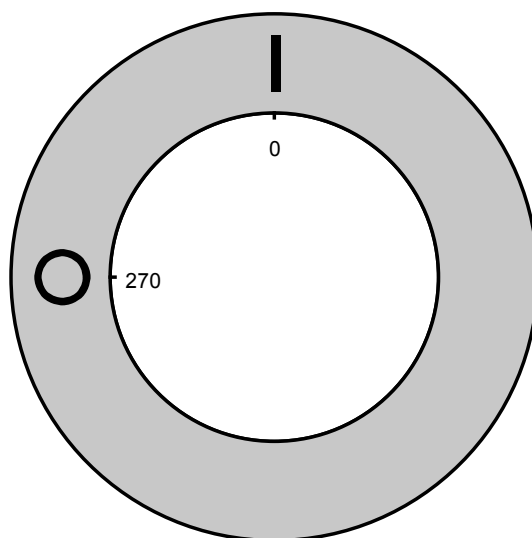
KG32B.T304.VE

|  Kraus & Naimer         |     | KG32B                                                                             |         | T304    |        | Page 1 of 1 |    |    |    |
|----------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---------|---------|--------|-------------|----|----|----|
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
| <b>Face Plate</b>                                                                                        |     |                                                                                   |         |         |        |             |    |    |    |
|                         |     | L1<br>1                                                                           | L2<br>3 | L3<br>5 | N<br>7 | 9           | 11 | 13 | 15 |
|                                                                                                          |     |  |         |         |        |             |    |    |    |
| Switching Angle <input type="text" value="90"/><br>Total switching Angle <input type="text" value="90"/> |     | 2<br>T1                                                                           | 4<br>T2 | 6<br>T3 | 8<br>N | 10          | 12 | 14 | 16 |
| 0                                                                                                        | 270 |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
| 1                                                                                                        | 0   |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          | 90  |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          | 180 |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |
|                                                                                                          |     |                                                                                   |         |         |        |             |    |    |    |

Version: 94

## Face plate

S1.F456/C10.V11H





Sample image

## PADLOCK DEVICE

with F-handle ring

**Designation:** S1.V840G/D61/B2

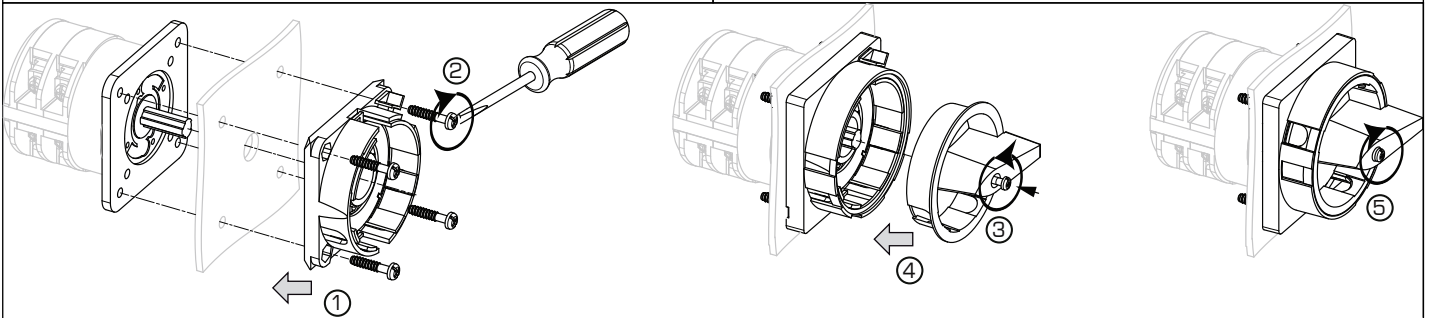
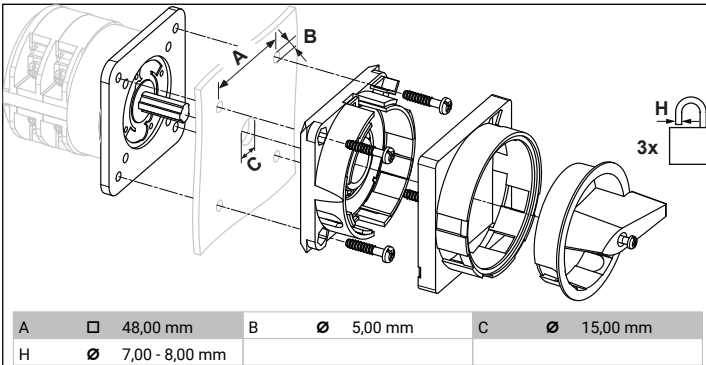
**Colour of F-handle ring:** "D" red

**Colour of face ring:** "6" yellow

**Locking position:** "1" at 270° (1x90°)

**Type of mounting:** "B" for type of mounting VE

**Switch type:** "2" for KA-, KG- and KH(R)-switches



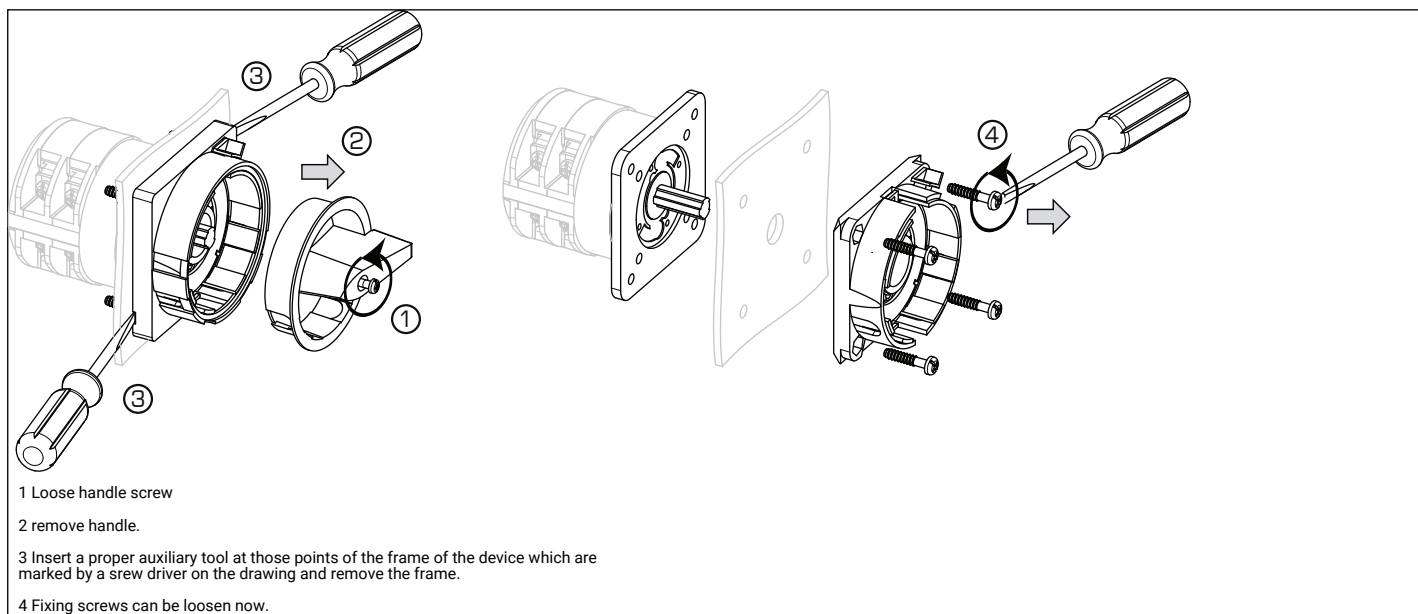
### MOUNTING

1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

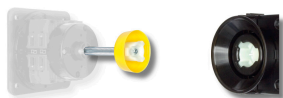
3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.







Sample image

## STANDARD DOOR CLUTCH

with shaft extension/asymmetric profile (with arresting screw)

**Designation:** S1.M280E/B21S-EF/1

**Type of interlock:** "B2" with protected profile and interlock by door clutch

**Shaft length:** "1" 32 - 57 mm

**Application:** "S" for type of mounting VE

**Type of version:** "-EF/1" splash proof (IP66/67) for next smaller switch size

