

Sample image

## Datasheet

**Article number:** 70010561

**Designation:** KG125.T203/09.VE

**Description:** Switch Global Disconnecter

|                                                                                                                                                              |                           |                                                                        |               |                                                                           |                           |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------|---------------------------|--------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |                           |                                                                        |               |                                                                           |                           |                          |
| Märkdriftspänning Ui                                                                                                                                         |                           |                                                                        |               |                                                                           |                           |                          |
| Spänning (V) AC / DC                                                                                                                                         |                           |                                                                        |               |                                                                           |                           |                          |
| 1000 AC                                                                                                                                                      |                           |                                                                        |               |                                                                           |                           |                          |
| Märkdriftström vid konstant drift                                                                                                                            |                           |                                                                        |               |                                                                           |                           |                          |
| Ström (A)                                                                                                                                                    | Omgivningstemperatur (°C) | Temperatur topp (°C) ytterligare krav                                  |               |                                                                           |                           |                          |
| 125                                                                                                                                                          | 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                                                               |               |                                                                           |                           | 125                      |
| Märkdrifteffekt                                                                                                                                              |                           |                                                                        |               |                                                                           |                           |                          |
| Urvals kriterie                                                                                                                                              | Spänning (V)              | No. of phases                                                          |               | No. of poles                                                              |                           | Effekt (kW)              |
| AC-3                                                                                                                                                         | 220 - 240                 | 3                                                                      |               | 3                                                                         |                           | 22                       |
| AC-3                                                                                                                                                         | 380 - 440                 | 3                                                                      |               | 3                                                                         |                           | 37                       |
| AC-3                                                                                                                                                         | 660 - 690                 | 3                                                                      |               | 3                                                                         |                           | 30                       |
| AC-23A                                                                                                                                                       | 220 - 240                 | 3                                                                      |               | 3                                                                         |                           | 30                       |
| AC-23A                                                                                                                                                       | 380 - 440                 | 3                                                                      |               | 3                                                                         |                           | 45                       |
| AC-23A                                                                                                                                                       | 660 - 690                 | 3                                                                      |               | 3                                                                         |                           | 37                       |
| Max försäkring, IEC                                                                                                                                          |                           |                                                                        |               |                                                                           |                           |                          |
| Säkringskaraktéristik                                                                                                                                        |                           |                                                                        |               | Antal säkringar                                                           |                           | Ström (A)                |
| gG                                                                                                                                                           |                           |                                                                        |               | 1                                                                         |                           | 125                      |
| 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                                                           |                           |                          |
| 150                                                                                                                                                          |                           |                                                                        |               | 0 - 40 ON-OFF switch (Valid when connected with wire rated for 75°C)      |                           |                          |
| 125                                                                                                                                                          |                           |                                                                        |               | Change over switch (Valid when connected with wire rated for 0 - 40 75°C) |                           |                          |
| 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                                                                         | 7,50                      | 40                       |
| DOL                                                                                                                                                          |                           | 220 - 240                                                              | 1             | 2                                                                         | 20                        | 40                       |
| DOL                                                                                                                                                          |                           | 277 - 277                                                              | 1             | 2                                                                         | 20                        | 40                       |
| DOL                                                                                                                                                          |                           | 440 - 480                                                              | 1             | 2                                                                         | 35                        | 40                       |
| DOL                                                                                                                                                          |                           | 550 - 600                                                              | 1             | 2                                                                         | 35                        | 40                       |
| DOL                                                                                                                                                          |                           | 110 - 120                                                              | 3             | 3                                                                         | 15                        | 40                       |
| DOL                                                                                                                                                          |                           | 220 - 240                                                              | 3             | 3                                                                         | 30                        | 40                       |
| DOL                                                                                                                                                          |                           | 440 - 480                                                              | 3             | 3                                                                         | 60                        | 40                       |
| DOL                                                                                                                                                          |                           | 550 - 600                                                              | 3             | 3                                                                         | 60                        | 40                       |
| 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 300A Class J fuses.          |                           |                                                                        |               |                                                                           |                           |                          |
| 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                       | 125                                                                    | 1             | 1                                                                         | 1                         |                          |
| AC                                                                                                                                                           | 277                       | 150                                                                    | 1             | 1                                                                         | 1                         |                          |
| AC                                                                                                                                                           | 600                       | 150                                                                    | 1             | 2                                                                         | 1                         |                          |
| AC                                                                                                                                                           | 600                       | 150                                                                    | 3             | 3                                                                         | 1                         |                          |
| AC double-throw function                                                                                                                                     | 600                       | 125                                                                    | 1             | 2                                                                         | 1                         |                          |
| AC double-throw function                                                                                                                                     | 600                       | 125                                                                    | 3             | 3                                                                         | 1                         |                          |

|                                                                                                                                                                                                                                                                                                        |                   |                               |                                                                                     |                                    |                                                                                       |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|-------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------|--------------------------|
| 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. |                   |                               |                                                                                     |                                    |                                                                                       |                          |
| 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                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   | 150                           | 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                                  | 7,50                                                                                  | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 220 - 240                     | 1                                                                                   | 2                                  | 20                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 277 - 277                     | 1                                                                                   | 2                                  | 20                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 440 - 480                     | 1                                                                                   | 2                                  | 35                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 550 - 600                     | 1                                                                                   | 2                                  | 35                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 110 - 120                     | 3                                                                                   | 3                                  | 15                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 220 - 240                     | 3                                                                                   | 3                                  | 30                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 440 - 480                     | 3                                                                                   | 3                                  | 60                                                                                    | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   | 550 - 600                     | 3                                                                                   | 3                                  | 60                                                                                    | 40                       |
| 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               | 150                           | 1                                                                                   | 1                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 150                           | 1                                                                                   | 2                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 150                           | 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     |
| solid wire                                                                                                                                                                                                                                                                                             | Min.              | 1                             |                                                                                     | 6mm²                               |                                                                                       | Copper                   |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             |                                                                                     | 70mm²                              |                                                                                       | Copper                   |
| flexible wire                                                                                                                                                                                                                                                                                          | Min.              | 1                             |                                                                                     | 16mm²                              |                                                                                       | Copper                   |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             |                                                                                     | AWG 2/0                            |                                                                                       | Copper                   |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             |                                                                                     | 95mm²                              |                                                                                       | Copper                   |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             |                                                                                     | AWG 3/0                            |                                                                                       | Copper                   |
| flexible wire with sleeve                                                                                                                                                                                                                                                                              | Max.              | 1                             |                                                                                     | 70mm²                              |                                                                                       | Copper                   |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      | Min.              | 1                             |                                                                                     | 10mm²                              |                                                                                       | Copper                   |
| Stripping length                                                                                                                                                                                                                                                                                       |                   |                               |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               | Length (mm) --                                                                      |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               |  |                                    |                                                                                       |                          |
| Rekomenderad skruvmejsel                                                                                                                                                                                                                                                                               |                   |                               |                                                                                     |                                    |                                                                                       |                          |
| Typ av skruvmejsel                                                                                                                                                                                                                                                                                     |                   |                               | Value                                                                               |                                    |                                                                                       |                          |
| Insex                                                                                                                                                                                                                                                                                                  |                   |                               | 5                                                                                   |                                    |                                                                                       |                          |
| Tightening torque of screws                                                                                                                                                                                                                                                                            |                   |                               |                                                                                     |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               | tightening torque (Nm)                                                              |                                    | tightening torque (lb-in)                                                             |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               | 14                                                                                  |                                    | 125                                                                                   |                          |
| 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.                                                                                                                                                                                                                                    |                   |                               |                                                                                     |                                    |                                                                                       |                          |
| - 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 <a href="http://www.krausnaimer.com">www.krausnaimer.com</a> |

## Proposition 65

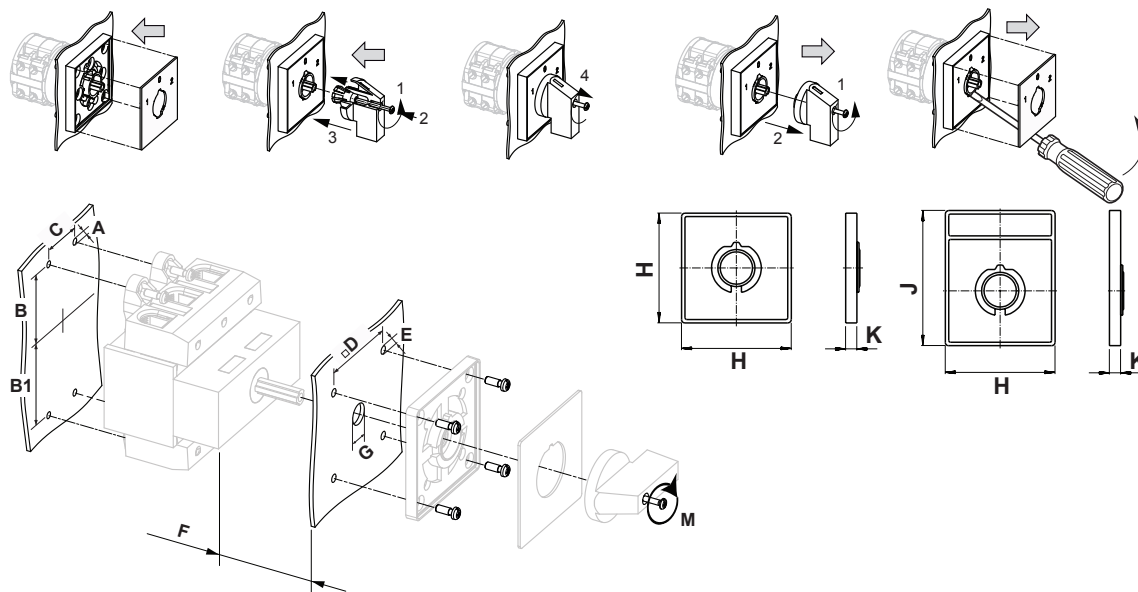
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

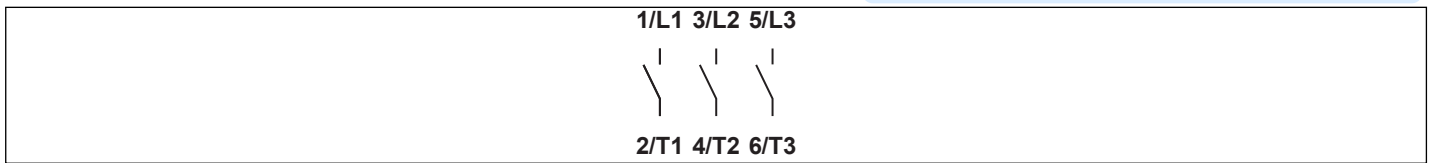
## Mounting-VE



| Skyddsklass frontpanel, IP |   | IP40             |
|----------------------------|---|------------------|
| Stages                     |   | 1,00 - 5,00      |
| A                          | Ø | 6,40 mm          |
| B                          | H | 59,00 - 61,00 mm |
| B1                         | H | 59,00 - 61,00 mm |
| C                          | H | 36,00 mm         |
| D                          | □ | 68,00 mm         |
| E                          | Ø | 6,00 mm          |
| F                          | H | <= 16,00 mm      |
| G                          | Ø | 13,00 - 17,00 mm |
| H                          | H | 88,00 mm         |
| J                          | H | 124,00 mm        |
| K                          | H | 8,50 mm          |
| M                          | ⌚ | 1,20 Nm          |

## Wiring diagram

KG125.T303.VE



## Switch program

KG125.T303.VE



Kraus & Naimer

KG125
T303
Page 1 of 1

| Face Plate                                                                        |                                                                                   |           |           |           |   |    |    |    |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------|-----------|---|----|----|----|----|
|  |                                                                                   | 1/L1<br>1 | 3/L2<br>3 | 5/L3<br>5 | 7 | 9  | 11 | 13 | 15 |
|                                                                                   |  |           |           |           |   |    |    |    |    |
| Switching Angle                                                                   | 90                                                                                | 2         | 4         | 6         | 8 | 10 | 12 | 14 | 16 |
| Total switching Angle                                                             | 90                                                                                | 2/T1      | 4/T2      | 6/T3      |   |    |    |    |    |
| 0                                                                                 | 270                                                                               |           |           |           |   |    |    |    |    |
|                                                                                   |                                                                                   |           |           |           |   |    |    |    |    |
| 1                                                                                 | 0                                                                                 | ■         | ■         | ■         |   |    |    |    |    |
|                                                                                   |                                                                                   |           |           |           |   |    |    |    |    |
|                                                                                   | 90                                                                                |           |           |           |   |    |    |    |    |
|                                                                                   |                                                                                   |           |           |           |   |    |    |    |    |
|                                                                                   | 180                                                                               |           |           |           |   |    |    |    |    |
|                                                                                   |                                                                                   |           |           |           |   |    |    |    |    |
|                                                                                   |                                                                                   |           |           |           |   |    |    |    |    |

Version: 84

## Face plate

S2.F456/C10.V11





Sample image

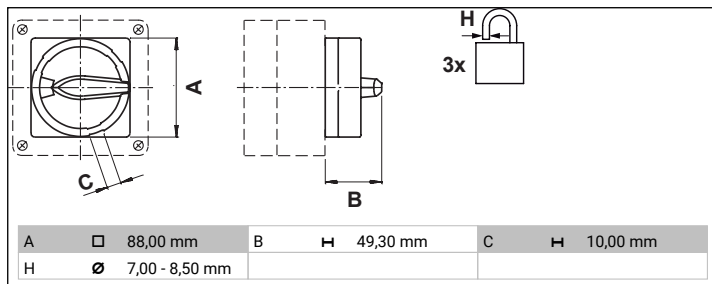
## PADLOCK DEVICE

with F-handle ring for type of mounting E, EF, E22, FT, VE, GK, PN, PF, KS (S00)

**Designation:** S2.V840D/D6

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

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





Sample image

## STANDARD DOOR CLUTCH

with shaft extension/asymmetric profile (with arresting screw)

**Designation:** S2.M280E/B21S-EF

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

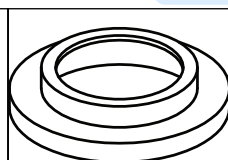
**Shaft length:** "1" 60 - 90 mm

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

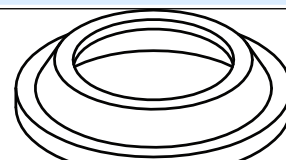
**Type of version:** "-EF" splash proof (IP66/67)



|   |            |   |           |   |                    |
|---|------------|---|-----------|---|--------------------|
| A | □ 68,00 mm | B | ∅ 6,00 mm | C | ∅ 26,00 - 30,00 mm |
| D | H 5,50 mm  |   |           |   |                    |



**S2D V840 10**



**S3D V840 10**

If S2 V840D or S2/S3 V845 will be applied with M280D, M280E or M280F, separately delivered parts S2D V840 10 resp. S3D V840 10 are not needed.



|   |                |  |  |
|---|----------------|--|--|
| Z | H >= 110,00 mm |  |  |
|---|----------------|--|--|



M  $\vec{M}$  0,80 Nm

1. Loosen the screw
2. Move shaft
3. Tighten the screw