



Sample image

## Datasheet

**Article number:** 70019079

**Designation:** KG160.T103/41.STM

**Description:** Switch Global Disconnecter

|                                                                                                                                                              |                          |                                                                           |                                                                  |              |                           |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------|--------------|---------------------------|--------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |                          |                                                                           |                                                                  |              |                           |                          |
| Rated insulation voltage Ui                                                                                                                                  |                          |                                                                           |                                                                  |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                                                                           |                                                                  |              |                           |                          |
| 1000 AC                                                                                                                                                      |                          |                                                                           |                                                                  |              |                           |                          |
| Rated uninterrupted current Iu/Ith                                                                                                                           |                          |                                                                           |                                                                  |              |                           |                          |
| Current (A)                                                                                                                                                  | Ambient temperature (°C) | Peak temperature (°C)                                                     | additional requirements                                          |              |                           |                          |
| 160                                                                                                                                                          | 50                       | 55                                                                        | Ambient temperature +50°C during 24 hours with peaks up to +55°C |              |                           |                          |
| Rated operational current Ie                                                                                                                                 |                          |                                                                           |                                                                  |              |                           |                          |
| Utilization category                                                                                                                                         |                          | Voltage (V)                                                               |                                                                  | Current (A)  |                           |                          |
| AC-32A                                                                                                                                                       |                          | 20 - 400                                                                  |                                                                  | 160          |                           |                          |
| Rated operational power                                                                                                                                      |                          |                                                                           |                                                                  |              |                           |                          |
| Utilization category                                                                                                                                         | Voltage (V)              | No. of phases                                                             | No. of poles                                                     | Power (kW)   |                           |                          |
| AC-3                                                                                                                                                         | 220 - 240                | 3                                                                         | 3                                                                | 30           |                           |                          |
| AC-3                                                                                                                                                         | 380 - 440                | 3                                                                         | 3                                                                | 45           |                           |                          |
| AC-3                                                                                                                                                         | 660 - 690                | 3                                                                         | 3                                                                | 37           |                           |                          |
| AC-23A                                                                                                                                                       | 220 - 240                | 3                                                                         | 3                                                                | 30           |                           |                          |
| AC-23A                                                                                                                                                       | 380 - 440                | 3                                                                         | 3                                                                | 55           |                           |                          |
| AC-23A                                                                                                                                                       | 660 - 690                | 3                                                                         | 3                                                                | 37           |                           |                          |
| Max. Fuse rating IEC                                                                                                                                         |                          |                                                                           |                                                                  |              |                           |                          |
| Fuse characteristic                                                                                                                                          |                          | No. of Fuses                                                              |                                                                  | Current (A)  |                           |                          |
| gG                                                                                                                                                           |                          | 1                                                                         |                                                                  | 160          |                           |                          |
| UL60947-4-1 , UL508                                                                                                                                          |                          |                                                                           |                                                                  |              |                           |                          |
| Nominal Voltage                                                                                                                                              |                          |                                                                           |                                                                  |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                                                                           |                                                                  |              |                           |                          |
| 600 AC                                                                                                                                                       |                          |                                                                           |                                                                  |              |                           |                          |
| Rated insulation voltage Ui                                                                                                                                  |                          |                                                                           |                                                                  |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                                                                           |                                                                  |              |                           |                          |
| 600 AC                                                                                                                                                       |                          |                                                                           |                                                                  |              |                           |                          |
| Rated thermal current                                                                                                                                        |                          |                                                                           |                                                                  |              |                           |                          |
| Current (A)                                                                                                                                                  |                          | Ambient temperature (°C) Additional Text                                  |                                                                  |              |                           |                          |
| 200                                                                                                                                                          |                          | 0 - 40 ON-OFF switch (Valid when connected with wire rated for 75°C)      |                                                                  |              |                           |                          |
| 160                                                                                                                                                          |                          | Change over switch (Valid when connected with wire rated for 0 - 40 75°C) |                                                                  |              |                           |                          |
| Horsepower rating                                                                                                                                            |                          |                                                                           |                                                                  |              |                           |                          |
| Across-the-Line Motor Starting                                                                                                                               |                          | Voltage (V)                                                               | No. of phases                                                    | No. of poles | Power (HP)                | Ambient temperature [°C] |
| DOL                                                                                                                                                          |                          | 110 - 120                                                                 | 1                                                                | 2            | 10                        | 40                       |
| DOL                                                                                                                                                          |                          | 220 - 240                                                                 | 1                                                                | 2            | 25                        | 40                       |
| DOL                                                                                                                                                          |                          | 277 - 277                                                                 | 1                                                                | 2            | 25                        | 40                       |
| DOL                                                                                                                                                          |                          | 440 - 480                                                                 | 1                                                                | 2            | 40                        | 40                       |
| DOL                                                                                                                                                          |                          | 550 - 600                                                                 | 1                                                                | 2            | 40                        | 40                       |
| DOL                                                                                                                                                          |                          | 110 - 120                                                                 | 3                                                                | 3            | 20                        | 40                       |
| DOL                                                                                                                                                          |                          | 220 - 240                                                                 | 3                                                                | 3            | 40                        | 40                       |
| DOL                                                                                                                                                          |                          | 440 - 480                                                                 | 3                                                                | 3            | 75                        | 40                       |
| DOL                                                                                                                                                          |                          | 440 - 480                                                                 | 3                                                                | 3            | 75                        | 60                       |
| 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)                                                                                                                                      |                          | Current (A) Text                                                          |                                                                  |              |                           |                          |
| 75                                                                                                                                                           |                          | -- --                                                                     |                                                                  |              |                           |                          |
| General Use                                                                                                                                                  |                          |                                                                           |                                                                  |              |                           |                          |
| AC / DC                                                                                                                                                      | Voltage (V)              | Current (A)                                                               | No. of phases                                                    | No. of poles | No. of contacts in series |                          |
| AC                                                                                                                                                           | 277                      | 200                                                                       | 1                                                                | 1            | 1                         |                          |
| AC                                                                                                                                                           | 600                      | 200                                                                       | 1                                                                | 2            | 1                         |                          |
| AC                                                                                                                                                           | 600                      | 200                                                                       | 3                                                                | 3            | 1                         |                          |
| AC double-throw function                                                                                                                                     | 277                      | 160                                                                       | 1                                                                | 1            | 1                         |                          |
| AC double-throw function                                                                                                                                     | 600                      | 160                                                                       | 1                                                                | 2            | 1                         |                          |

| General Use                                                                                                                                                                                                                                                                                            |                   |                               |                          |                                    |                                                                                       |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|--------------------------|------------------------------------|---------------------------------------------------------------------------------------|--------------------------|
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V)       | Current (A)                   | No. of phases            | No. of poles                       | No. of contacts in series                                                             |                          |
| AC double-throw function                                                                                                                                                                                                                                                                               | 600               | 160                           | 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                                                                                                                                                                                                                                                                                        |                   |                               |                          |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                          | Voltage (V)                        | AC / DC                                                                               |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                          | 600                                | AC                                                                                    |                          |
| Rated insulation voltage Ui                                                                                                                                                                                                                                                                            |                   |                               |                          |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                          | Voltage (V)                        | AC / DC                                                                               |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                          | 600                                | AC                                                                                    |                          |
| Rated thermal current                                                                                                                                                                                                                                                                                  |                   |                               |                          |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   | Current (A)                   | Ambient temperature (°C) |                                    | Additional Text                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   | 200                           | 0 - 40                   |                                    | --                                                                                    |                          |
| Horsepower rating                                                                                                                                                                                                                                                                                      |                   |                               |                          |                                    |                                                                                       |                          |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |                   |                               |                          | Voltage (V)                        | No. of phases                                                                         | Ambient temperature [°C] |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 110 - 120                          | 1                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 220 - 240                          | 1                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 277 - 277                          | 1                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 440 - 480                          | 1                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 550 - 600                          | 1                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 110 - 120                          | 3                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 220 - 240                          | 3                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 440 - 480                          | 3                                                                                     | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                          | 550 - 600                          | 3                                                                                     | 40                       |
| Temp. rating of wire                                                                                                                                                                                                                                                                                   |                   |                               |                          |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               | Temperature rating (°C)  | Current (A) Text                   |                                                                                       |                          |
|                                                                                                                                                                                                                                                                                                        |                   |                               | 75                       | -- --                              |                                                                                       |                          |
| General Use                                                                                                                                                                                                                                                                                            |                   |                               |                          |                                    |                                                                                       |                          |
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V)       | Current (A)                   | No. of phases            | No. of poles                       | No. of contacts in series                                                             |                          |
| AC                                                                                                                                                                                                                                                                                                     | 277               | 200                           | 1                        | 1                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 200                           | 1                        | 2                                  | 1                                                                                     |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 200                           | 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) --                                                                                                                                                                                                                                                                                         |                   |                               |                          |                                    |                                                                                       |                          |
|                                                                                                                                                                                                                     |                   |                               |                          |                                    |                                                                                       |                          |
| Recommended screw driver                                                                                                                                                                                                                                                                               |                   |                               |                          |                                    |                                                                                       |                          |
| Type of screw driver                                                                                                                                                                                                                                                                                   |                   |                               |                          | Value                              |                                                                                       |                          |
| Hex key                                                                                                                                                                                                                                                                                                |                   |                               |                          | 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.                                                                                                                                                                                                                                    |                   |                               |                          |                                    |                                                                                       |                          |

## General Information

### Text

- Do not lubricate or treat contacts.
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

### 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

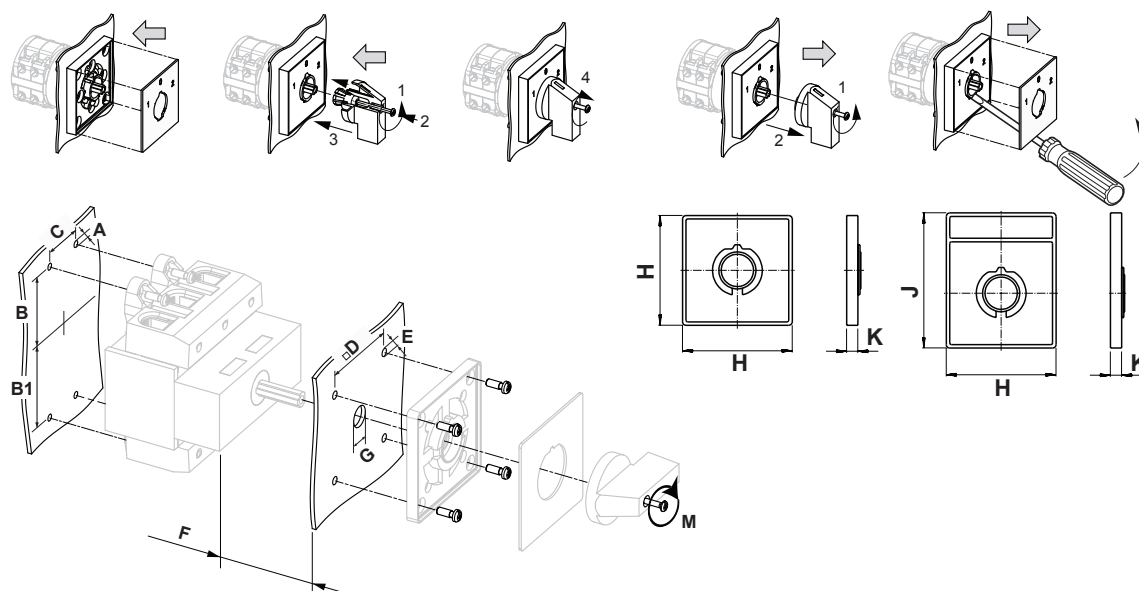
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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

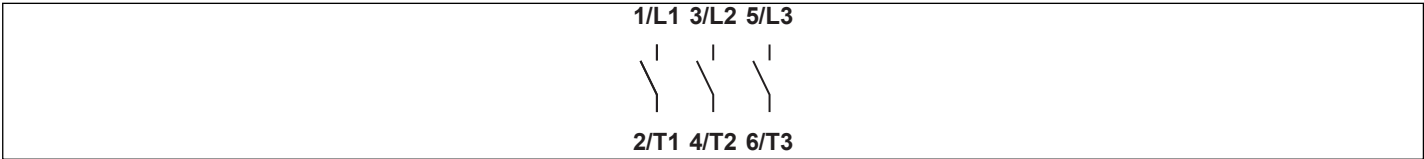


| IP - Code front side | IP40               |
|----------------------|--------------------|
| Stages               | 1,00 - 5,00        |
| A                    | Ø 6,40 mm          |
| B                    | H 59,00 - 61,00 mm |
| B1                   | H 59,00 - 61,00 mm |
| C                    | 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                    | M̄ 1,20 Nm         |



Wiring diagram

KG160.T303.VE



## Switch program

KG160.T303.VE



Kraus & Naimer

KG160
T303
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| 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

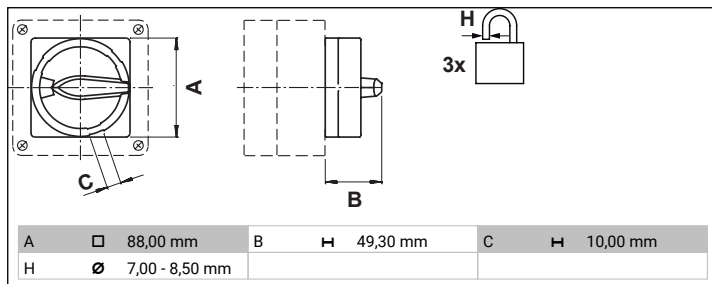
## Face plate

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/B7

**Colour of F-handle ring:** "B" electro-grey

**Colour of face ring:** "7" electro-grey



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

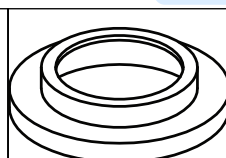
**Shaft length:** "1" 60 - 90 mm

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

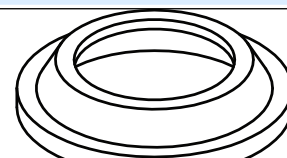
**Type of version:** "-EF" splash proof (IP66/67)



|   |            |   |           |   |                    |
|---|------------|---|-----------|---|--------------------|
| 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



Sample image

## AUXILIARY CONTACTS

for KG125-KG317 - ON/OFF Switches

**Designation:** K3A.M510B/11A-B

**Number of NO-contacts:** "1" total number of NO/NC-contacts max. 8 contacts

**Number of NC-contacts:** "1" total number of NC/NO-contacts max. 8 contacts

**Version:** "A" Standard (silver)

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

| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                           |                                |                                    |                                                                                             |                   |                                |
|-------------------------------------------------------------------------------------|--------------------------------|------------------------------------|---------------------------------------------------------------------------------------------|-------------------|--------------------------------|
| Rated insulation voltage Ui                                                         |                                |                                    |                                                                                             |                   |                                |
| Voltage (V) AC / DC<br>690 AC                                                       |                                |                                    |                                                                                             |                   |                                |
| Rated uninterrupted current Iu/Ith                                                  |                                |                                    |                                                                                             |                   |                                |
| Current (A)<br>16                                                                   | Ambient temperature (°C)<br>55 | Peak temperature (°C)<br>60        | additional requirements<br>Ambient temperature +55°C during 24 hours with peaks up to +60°C |                   |                                |
| Rated operational current Ie                                                        |                                |                                    |                                                                                             |                   |                                |
| Utilization category                                                                |                                | Voltage (V)                        | Current (A)                                                                                 |                   |                                |
| AC-15                                                                               |                                | 110 - 120                          | 6                                                                                           |                   |                                |
| AC-15                                                                               |                                | 220 - 240                          | 5                                                                                           |                   |                                |
| AC-15                                                                               |                                | 380 - 440                          | 4                                                                                           |                   |                                |
| AC-15                                                                               |                                | 500                                | 1,50                                                                                        |                   |                                |
| AC-21A                                                                              |                                | 20 - 690                           | 16                                                                                          |                   |                                |
| Max. Fuse rating IEC                                                                |                                |                                    |                                                                                             |                   |                                |
| Fuse characteristic<br>gG                                                           |                                | No. of Fuses<br>1                  | Current (A)<br>16                                                                           |                   |                                |
| UL60947-4-1 , UL508                                                                 |                                |                                    |                                                                                             |                   |                                |
| Nominal Voltage                                                                     |                                |                                    |                                                                                             |                   |                                |
| Voltage (V) AC / DC<br>600 AC                                                       |                                |                                    |                                                                                             |                   |                                |
| Rated insulation voltage Ui                                                         |                                |                                    |                                                                                             |                   |                                |
| Voltage (V) AC / DC<br>600 AC                                                       |                                |                                    |                                                                                             |                   |                                |
| Rated thermal current                                                               |                                |                                    |                                                                                             |                   |                                |
| Current (A)<br>10                                                                   |                                | Ambient temperature (°C)<br>0 - 40 | Additional Text<br>--                                                                       |                   |                                |
| Pilot duty rating code                                                              |                                |                                    |                                                                                             |                   |                                |
| Duty Code<br>A600                                                                   |                                |                                    |                                                                                             |                   |                                |
| Temp. rating of wire                                                                |                                |                                    |                                                                                             |                   |                                |
| Temperature rating (°C)<br>75                                                       |                                | Current (A)<br>--                  | Text<br>--                                                                                  |                   |                                |
| General Use                                                                         |                                |                                    |                                                                                             |                   |                                |
| AC / DC<br>AC                                                                       | Voltage (V)<br>600             | Current (A)<br>10                  | No. of phases<br>1                                                                          | No. of poles<br>1 | No. of contacts in series<br>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                                  | 0.5mm²                                                                                      |                   | Copper                         |
| solid wire                                                                          | Min.                           | 2                                  | 0.5mm²                                                                                      |                   | Copper                         |
| flexible wire                                                                       | Min.                           | 1                                  | 0.75mm²                                                                                     |                   | Copper                         |
| flexible wire                                                                       | Min.                           | 2                                  | 0.75mm²                                                                                     |                   | Copper                         |
| flexible wire                                                                       | Max.                           | 2                                  | 2.5mm²                                                                                      |                   | Copper                         |
| flexible wire                                                                       | Max.                           | 2                                  | AWG 14                                                                                      |                   | Copper                         |
| Single-core or stranded wire                                                        | Max.                           | 2                                  | AWG 12                                                                                      |                   | Copper                         |
| Single-core or stranded wire                                                        | Max.                           | 2                                  | 2.5mm²                                                                                      |                   | Copper                         |
| flexible wire with ferrule according to DIN 46228                                   | Max.                           | 2                                  | 2.5mm²                                                                                      |                   | Copper                         |
| flexible wire with ferrule according to DIN 46228                                   | Min.                           | 1                                  | 0.5mm²                                                                                      |                   | Copper                         |
| flexible wire with ferrule according to DIN 46228                                   | Min.                           | 2                                  | 0.5mm²                                                                                      |                   | Copper                         |
| Stripping length                                                                    |                                |                                    |                                                                                             |                   |                                |
| Length (mm) --                                                                      |                                |                                    |                                                                                             |                   |                                |
|  |                                |                                    |                                                                                             |                   |                                |
| Recommended screw driver                                                            |                                |                                    |                                                                                             |                   |                                |
| Type of screw driver                                                                |                                | Value                              |                                                                                             |                   |                                |
| Slot screwdriver according to DIN 5264                                              |                                | 0.8x4                              |                                                                                             |                   |                                |



|                                                                                                                                                                                                                                                                        |                                                                                     |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|
| Recommended screw driver                                                                                                                                                                                                                                               |                                                                                     |                           |
| Type of screw driver                                                                                                                                                                                                                                                   | Value                                                                               |                           |
| Cross Screwdriver                                                                                                                                                                                                                                                      | PH1                                                                                 |                           |
| Tightening torque of screws                                                                                                                                                                                                                                            |                                                                                     |                           |
|                                                                                                                                                                                                                                                                        | tightening torque (Nm)                                                              | tightening torque (lb-in) |
|                                                                                                                                                                                                                                                                        | 0,60                                                                                | 5                         |
| Approbations                                                                                                                                                                                                                                                           |                                                                                     |                           |
| Specification                                                                                                                                                                                                                                                          | Marking                                                                             |                           |
| EAC                                                                                                                                                                                                                                                                    |  |                           |
| General Information                                                                                                                                                                                                                                                    |                                                                                     |                           |
| Text                                                                                                                                                                                                                                                                   |                                                                                     |                           |
| <div>- Do not lubricate or treat contacts.</div> <div>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</div> <div>- Use copper wire only. Do not coat the wire end with tin.</div> |                                                                                     |                           |
| <div>13 21</div> <div></div> <div>14 22</div>                                                                                                                                          |                                                                                     |                           |