



Sample image

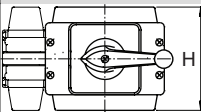
## Datasheet

**Article number:** 70014343  
**Designation:** KG41.T103/33.KL11V  
**Description:** Switch Global Disconnecter  
**Contact development:** T303  
**Face plate engraving:** F656  
**Type of mounting:** KL11V

|                                              |
|----------------------------------------------|
| Type Size: S0                                |
| Classification Contact: Rigid contact bridge |
| Classification Contact Mat: Silver           |
| Classification Terminal: Screw terminal      |

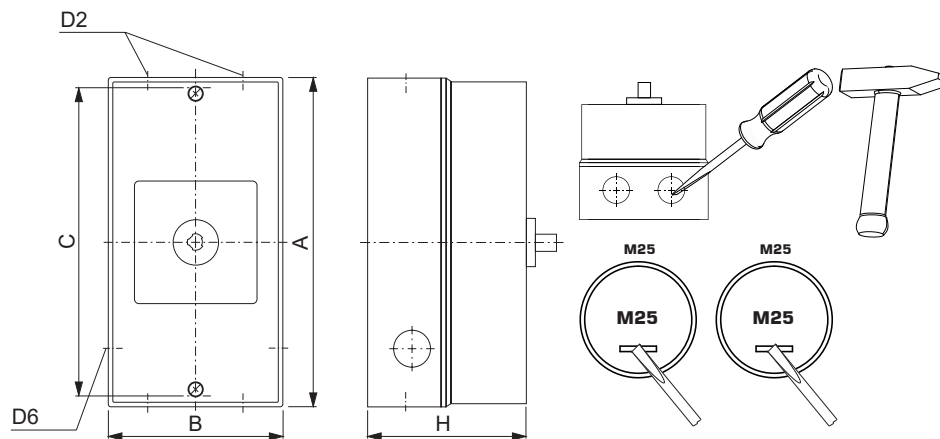
|                                            |  |                           |                      |                                                                        |                                 |                             |
|--------------------------------------------|--|---------------------------|----------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107  |  |                           |                      |                                                                        |                                 |                             |
| Märkdriktspänning Ui                       |  |                           |                      |                                                                        |                                 |                             |
|                                            |  |                           | Spänning (V) AC / DC |                                                                        |                                 |                             |
|                                            |  |                           | 690 AC               |                                                                        |                                 |                             |
| Rated impulse withstand voltage Uimp       |  |                           |                      |                                                                        |                                 |                             |
| Voltage (kV)                               |  | Overvoltage category      | Pollution degree     | Supply system                                                          |                                 | Function                    |
| 6                                          |  | III                       | 3                    | Valid for lines with grounded common neutral termination               |                                 | switch                      |
| Märkdriktström vid konstant drift          |  |                           |                      |                                                                        |                                 |                             |
| Ström (A)                                  |  | Omgivningstemperatur (°C) |                      | Temperatur topp (°C) ytterligare krav                                  |                                 |                             |
| 40                                         |  | 50                        |                      | 55 Omginingstemperatur +50°C under 24 timmar med toppar upp till +55°C |                                 |                             |
| Conventional enclosed thermal current Ithe |  |                           |                      |                                                                        |                                 |                             |
| Ström (A)                                  |  | Omgivningstemperatur (°C) | Temperatur topp (°C) | No. of stages (from - to)                                              |                                 | Mounting                    |
| 40                                         |  | 35                        | 40                   | Omginingstemperatur +35°C under 24 timmar med toppar upp till +40°C    |                                 | Mounting size               |
|                                            |  |                           |                      | -- --                                                                  |                                 | --                          |
| Märkdriktström Ie                          |  |                           |                      |                                                                        |                                 |                             |
| Urvals kriterie                            |  |                           | Spänning (V)         |                                                                        | Ström (A)                       |                             |
| AC-32A                                     |  |                           | 20 - 400             |                                                                        | 40                              |                             |
| AC-20A                                     |  |                           | 690                  |                                                                        | 40                              |                             |
| AC-21A                                     |  |                           | 20 - 690             |                                                                        | 40                              |                             |
| AC-22A                                     |  |                           | 220 - 500            |                                                                        | 40                              |                             |
| AC-22A                                     |  |                           | 660 - 690            |                                                                        | 40                              |                             |
| Märkdriktseffekt                           |  |                           |                      |                                                                        |                                 |                             |
| Urvals kriterie                            |  |                           | Spänning (V)         | No. of phases                                                          | No. of poles                    | Effekt (kW)                 |
| AC-3                                       |  |                           | 220 - 240            | 3                                                                      | 3                               | 7,50                        |
| AC-3                                       |  |                           | 380 - 440            | 3                                                                      | 3                               | 11                          |
| AC-3                                       |  |                           | 500 - 500            | 3                                                                      | 3                               | 15                          |
| AC-3                                       |  |                           | 660 - 690            | 3                                                                      | 3                               | 11                          |
| AC-23A                                     |  |                           | 220 - 240            | 3                                                                      | 3                               | 7,50                        |
| AC-23A                                     |  |                           | 380 - 440            | 3                                                                      | 3                               | 15                          |
| AC-23A                                     |  |                           | 500 - 500            | 3                                                                      | 3                               | 18,50                       |
| AC-23A                                     |  |                           | 660 - 690            | 3                                                                      | 3                               | 15                          |
| Max försäkring, IEC                        |  |                           |                      |                                                                        |                                 |                             |
| Säkringskaraktäristik                      |  |                           |                      | Antal säkringar                                                        |                                 | Ström (A)                   |
| gG                                         |  |                           |                      | 1                                                                      |                                 | 50                          |
| Rated conditional short-circuit current    |  |                           |                      |                                                                        |                                 |                             |
| Current (kA)                               |  | Text                      |                      | cut-off current Ic (kA)                                                |                                 | Durchlassenergie I²t (kA²s) |
| 7,50                                       |  | --                        |                      | 3,60                                                                   |                                 | 11,05                       |
| Rated breaking capacity                    |  |                           |                      |                                                                        |                                 |                             |
|                                            |  |                           | Spänning (V)         | Ström (A)                                                              | Utilization category / UL (DOL) |                             |
|                                            |  |                           | 220 - 240            | 300                                                                    | --                              |                             |
|                                            |  |                           | 380 - 440            | 300                                                                    | --                              |                             |
|                                            |  |                           | 660 - 690            | 150                                                                    | --                              |                             |
| Kortslutningshållfasthet Icm               |  |                           |                      |                                                                        |                                 |                             |
|                                            |  |                           |                      |                                                                        | Ström (A)                       |                             |
|                                            |  |                           |                      |                                                                        | 3000                            |                             |
| UL60947-4-1 , UL508                        |  |                           |                      |                                                                        |                                 |                             |
| Nominal Voltage                            |  |                           |                      |                                                                        |                                 |                             |
|                                            |  |                           | Spänning (V) AC / DC |                                                                        |                                 |                             |
|                                            |  |                           | 600 AC               |                                                                        |                                 |                             |
| Märkdriktspänning Ui                       |  |                           |                      |                                                                        |                                 |                             |
|                                            |  |                           | Spänning (V) AC / DC |                                                                        |                                 |                             |
|                                            |  |                           | 600 AC               |                                                                        |                                 |                             |

| Rated thermal current                                                                                                                                                                                                                                                                                  |              |                         |                           |              |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|---------------------------|--------------|---------------------------|
|                                                                                                                                                                                                                                                                                                        |              | Ström (A)               | Omgivningstemperatur (°C) |              | Additional Text           |
|                                                                                                                                                                                                                                                                                                        |              | 42                      | 0 - 40                    |              | --                        |
| Horsepower rating                                                                                                                                                                                                                                                                                      |              |                         |                           |              |                           |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |              | Spänning (V)            | No. of phases             | No. of poles | Power (HP)                |
| DOL                                                                                                                                                                                                                                                                                                    |              | 110 - 120               | 1                         | 2            | 2                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 220 - 240               | 1                         | 2            | 5                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 277 - 277               | 1                         | 2            | 7,50                      |
| DOL                                                                                                                                                                                                                                                                                                    |              | 415 - 415               | 1                         | 2            | 7,50                      |
| DOL                                                                                                                                                                                                                                                                                                    |              | 440 - 480               | 1                         | 2            | 10                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 550 - 600               | 1                         | 2            | 10                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 110 - 120               | 3                         | 3            | 5                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 220 - 240               | 3                         | 3            | 15                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 415 - 415               | 3                         | 3            | 15                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 440 - 480               | 3                         | 3            | 25                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 550 - 600               | 3                         | 3            | 30                        |
| Pilot duty rating code                                                                                                                                                                                                                                                                                 |              |                         |                           |              |                           |
| Duty Code                                                                                                                                                                                                                                                                                              |              |                         |                           |              |                           |
| A600                                                                                                                                                                                                                                                                                                   |              |                         |                           |              |                           |
| SCCR / Max. fuse rating                                                                                                                                                                                                                                                                                |              |                         |                           |              |                           |
| Conditions of acceptability                                                                                                                                                                                                                                                                            |              |                         |                           |              |                           |
| This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.                                                                                                                                           |              |                         |                           |              |                           |
| Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by 60A Class J fuses.                                                                                                                                                        |              |                         |                           |              |                           |
| Temp. rating of wire                                                                                                                                                                                                                                                                                   |              |                         |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | Temperature rating (°C) | Ström (A)                 | Text         |                           |
|                                                                                                                                                                                                                                                                                                        |              | 60 - 75                 | --                        | --           |                           |
| Connecting instructions                                                                                                                                                                                                                                                                                |              |                         |                           |              |                           |
| Markings                                                                                                                                                                                                                                                                                               |              |                         |                           |              |                           |
| For use on a flat surface of a type 1 enclosure.                                                                                                                                                                                                                                                       |              |                         |                           |              |                           |
| The operating handle and position indicating means to be used with these industrial switches should be provided from the manufacturer.                                                                                                                                                                 |              |                         |                           |              |                           |
| General Use                                                                                                                                                                                                                                                                                            |              |                         |                           |              |                           |
| AC / DC                                                                                                                                                                                                                                                                                                | Spänning (V) | Ström (A)               | No. of phases             | No. of poles | No. of contacts in series |
| AC                                                                                                                                                                                                                                                                                                     | 277          | 42                      | 1                         | 1            | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600          | 42                      | 1                         | 2            | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600          | 42                      | 3                         | 3            | 1                         |
| Suitable as Motor disconnect                                                                                                                                                                                                                                                                           |              |                         |                           |              |                           |
| Yes/No                                                                                                                                                                                                                                                                                                 |              |                         |                           |              |                           |
| Y                                                                                                                                                                                                                                                                                                      |              |                         |                           |              |                           |
| General Information                                                                                                                                                                                                                                                                                    |              |                         |                           |              |                           |
| Text                                                                                                                                                                                                                                                                                                   |              |                         |                           |              |                           |
| - When intended for use as switch used in Photovoltaic applications the devices shall be provided with a method of being locked in the OFF-position.                                                                                                                                                   |              |                         |                           |              |                           |
| - The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers. |              |                         |                           |              |                           |
| - När brytaren används som säkerhetsbrytare skall den vara utrustad med vred som är låsbart i läge "0".                                                                                                                                                                                                |              |                         |                           |              |                           |
| CSA                                                                                                                                                                                                                                                                                                    |              |                         |                           |              |                           |
| Nominal Voltage                                                                                                                                                                                                                                                                                        |              |                         |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | Spänning (V) AC / DC    |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | 600 AC                  |                           |              |                           |
| Märkdriftspänning Ui                                                                                                                                                                                                                                                                                   |              |                         |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | Spänning (V) AC / DC    |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | 600 AC                  |                           |              |                           |
| Rated thermal current                                                                                                                                                                                                                                                                                  |              |                         |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | Ström (A)               | Omgivningstemperatur (°C) |              | Additional Text           |
|                                                                                                                                                                                                                                                                                                        |              | 40                      | 0 - 40                    |              | --                        |
| Horsepower rating                                                                                                                                                                                                                                                                                      |              |                         |                           |              |                           |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |              | Spänning (V)            | No. of phases             | No. of poles | Power (HP)                |
| DOL                                                                                                                                                                                                                                                                                                    |              | 110 - 120               | 1                         | 2            | 2                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 220 - 240               | 1                         | 2            | 5                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 277 - 277               | 1                         | 2            | 7,50                      |
| DOL                                                                                                                                                                                                                                                                                                    |              | 415 - 415               | 1                         | 2            | 7,50                      |
| DOL                                                                                                                                                                                                                                                                                                    |              | 440 - 480               | 1                         | 2            | 10                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 550 - 600               | 1                         | 2            | 10                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 110 - 120               | 3                         | 3            | 5                         |
| DOL                                                                                                                                                                                                                                                                                                    |              | 220 - 240               | 3                         | 3            | 15                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 415 - 415               | 3                         | 3            | 15                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 440 - 480               | 3                         | 3            | 25                        |
| DOL                                                                                                                                                                                                                                                                                                    |              | 550 - 600               | 3                         | 3            | 30                        |
| 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          | 40                      | 1                         | 1            | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600          | 40                      | 1                         | 2            | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600          | 40                      | 3                         | 3            | 1                         |
| MASTER DATA                                                                                                                                                                                                                                                                                            |              |                         |                           |              |                           |
| Max. number of stages                                                                                                                                                                                                                                                                                  |              |                         |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | number of stages Modul  |                           |              |                           |
|                                                                                                                                                                                                                                                                                                        |              | 4 KO                    |                           |              |                           |

| Switch Measures                                                                  |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|----------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|---------------|--------------|
| Picture name                                                                     | B                 | F                                                                                                             | H                      | H1                                                                                                                                                                                                           | H2                        | H3                                                                                    |               |              |
|  | –                 | –                                                                                                             | 64                     | –                                                                                                                                                                                                            | –                         | –                                                                                     |               |              |
| GENERAL TECHNICAL INFORMATION                                                    |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| Tightening torque of screws                                                      |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | tightening torque (Nm) |                                                                                                                                                                                                              | tightening torque (lb-in) |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | 1,80                   |                                                                                                                                                                                                              | 16                        |                                                                                       |               |              |
| Stripping length                                                                 |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | Length (mm) –          |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | 12 STRIPPINGLENGTH     |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| Minimal ratings (voltage/current)                                                |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| Spänning (V)                                                                     | Current (mA)      | Environment conditions                                                                                        |                        | Environment conditions 2                                                                                                                                                                                     | Environment conditions 3  |                                                                                       |               |              |
| 20                                                                               | 5                 | Ambient air must be free of particular contamination with sulfur and/or sulfurous components such as H2S etc. |                        | In case extraordinary contamination with dust is expected an adequate dust protection is required.                                                                                                           | –                         |                                                                                       |               |              |
| Rated short-time withstand current Icw                                           |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | Time (s)               |                                                                                                                                                                                                              | Ström (A)                 |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               | 1                      |                                                                                                                                                                                                              | 500                       |                                                                                       |               |              |
| 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.              | 2                                                                                                             |                        | 0,75mm²                                                                                                                                                                                                      |                           | Copper                                                                                |               |              |
| solid wire                                                                       | Min.              | 1                                                                                                             |                        | 1,5mm²                                                                                                                                                                                                       |                           | Copper                                                                                |               |              |
| flexible wire                                                                    | Max.              | 1                                                                                                             |                        | AWG 6                                                                                                                                                                                                        |                           | Copper                                                                                |               |              |
| flexible wire                                                                    | Min.              | 1                                                                                                             |                        | 2,5mm²                                                                                                                                                                                                       |                           | Copper                                                                                |               |              |
| flexible wire                                                                    | Max.              | 1                                                                                                             |                        | 10mm²                                                                                                                                                                                                        |                           | Copper                                                                                |               |              |
| flexible wire                                                                    | Min.              | 2                                                                                                             |                        | 1,5mm²                                                                                                                                                                                                       |                           | Copper                                                                                |               |              |
| Single-core or stranded wire                                                     | Max.              | 1                                                                                                             |                        | AWG 6                                                                                                                                                                                                        |                           | Copper                                                                                |               |              |
| Single-core or stranded wire                                                     | Max.              | 1                                                                                                             |                        | 16mm²                                                                                                                                                                                                        |                           | Copper                                                                                |               |              |
| flexible wire with sleeve                                                        | Max.              | 1                                                                                                             |                        | 10mm²                                                                                                                                                                                                        |                           | Copper                                                                                |               |              |
| flexible wire with ferrule according to DIN 46228                                | Min.              | 2                                                                                                             |                        | 0,75mm²                                                                                                                                                                                                      |                           | Copper                                                                                |               |              |
| flexible wire with ferrule according to DIN 46228                                | Min.              | 1                                                                                                             |                        | 1,5mm²                                                                                                                                                                                                       |                           | Copper                                                                                |               |              |
| Approbations                                                                     |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| Specification                                                                    |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           | Marking                                                                               |               |              |
| EAC                                                                              |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| CE marking                                                                       |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| UK Directives                                                                    |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| Lloyd's Register EMEA                                                            |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| IEC 60947-3; EN 60947-3; VDE 0660 Teil107                                        |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           | <b>IEC 60947-3</b><br><b>EN 60947-3</b>                                               |               |              |
| UL 60947-4-1; CSA C22.2 No. 60947-4-1                                            |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| CSA C.22.2 No.14                                                                 |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| GB/T14048.3                                                                      |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| Russian Maritime Register of Shipping                                            |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |  |               |              |
| Power loss per pole                                                              |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
|                                                                                  |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           | Power (W)                                                                             |               |              |
|                                                                                  |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           | 1                                                                                     |               |              |
| Mechanical life                                                                  |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| No. of operations                                                                |                   | Omgivningstemperatur (°C)                                                                                     |                        | Number of stages Limitations                                                                                                                                                                                 |                           |                                                                                       |               |              |
| 150000                                                                           |                   | -5 - 55                                                                                                       |                        | Valid for manual operation. Valid for switches without optional extras. The value refers to the mechanics of the device, for lifetime of the electrical contacts please refer to "electrical life – values". |                           |                                                                                       |               |              |
| Electrical life (B10-Value)                                                      |                   |                                                                                                               |                        |                                                                                                                                                                                                              |                           |                                                                                       |               |              |
| Urvals kriterie                                                                  | cos(φ)            | Time constant (ms)                                                                                            | Spänning (V)           | Ström (A)                                                                                                                                                                                                    | No. of operations         | number of series contacts AC/DC                                                       | No. of phases | No. of poles |
| –                                                                                | 0,64              | –                                                                                                             | 220                    | 20                                                                                                                                                                                                           | 200000                    | 1 AC                                                                                  | 1             | 1            |
| –                                                                                | 0,64              | –                                                                                                             | 380                    | 15                                                                                                                                                                                                           | 150000                    | 1 AC                                                                                  | 1             | 1            |
| –                                                                                | 0,65              | –                                                                                                             | 380                    | 20                                                                                                                                                                                                           | 200000                    | 1 AC                                                                                  | 1             | 1            |
| AC-23                                                                            | –                 | –                                                                                                             | 500                    | 30                                                                                                                                                                                                           | 150000                    | 1 AC                                                                                  | 3             | 3            |

| Electrical life (B10-Value)                                                                                                       |        |                    |              |           |                                                                 |                           |       |               |              |
|-----------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--------------|-----------|-----------------------------------------------------------------|---------------------------|-------|---------------|--------------|
| Urvals kriterie                                                                                                                   | cos(φ) | Time constant (ms) | Spänning (V) | Ström (A) | No. of operations                                               | number of series contacts | AC/DC | No. of phases | No. of poles |
| AC-23                                                                                                                             | --     | --                 | 690          | 18        | 150000                                                          | 1                         | AC    | 3             | 3            |
| AC-22                                                                                                                             | --     | --                 | 690          | 40        | 100000                                                          | 1                         | AC    | 3             | 3            |
| --                                                                                                                                | --     | 50                 | 60           | 2         | 100000                                                          | 1                         | DC    | 1             | 1            |
| --                                                                                                                                | --     | 55                 | 110          | 1         | 150000                                                          | 1                         | DC    | 1             | 1            |
| --                                                                                                                                | --     | 55                 | 110          | 1,50      | 75000                                                           | 1                         | DC    | 1             | 1            |
| Rekomenderad skruvmejsel                                                                                                          |        |                    |              |           |                                                                 |                           |       |               |              |
| Typ av skruvmejsel                                                                                                                |        |                    |              |           | Value                                                           |                           |       |               |              |
| Stjärnskruvmejsel                                                                                                                 |        |                    |              |           | PH2                                                             |                           |       |               |              |
| Platt skruvmejsel                                                                                                                 |        |                    |              |           | 1x5,5                                                           |                           |       |               |              |
| Degree of protection                                                                                                              |        |                    |              |           |                                                                 |                           |       |               |              |
| Skyddsklass anslutningar, IP                                                                                                      |        |                    |              |           |                                                                 |                           |       |               |              |
| IP20                                                                                                                              |        |                    |              |           |                                                                 |                           |       |               |              |
| Conditions during transport and storing                                                                                           |        |                    |              |           |                                                                 |                           |       |               |              |
| Minimum temperature (°C)                                                                                                          |        |                    |              |           | Maximum temperature (°C) ytterligare krav                       |                           |       |               |              |
| -40                                                                                                                               |        |                    |              |           | 85 In case of temperatures below -5°C no shock load permissible |                           |       |               |              |
| Shock / Vibration                                                                                                                 |        |                    |              |           |                                                                 |                           |       |               |              |
| Type of oscillation                                                                                                               |        |                    |              |           | Values                                                          |                           |       |               |              |
| Resistance to vibration                                                                                                           |        |                    |              |           | Min. 4g, 2-100Hz, 1,6mm                                         |                           |       |               |              |
| Resistance to shock                                                                                                               |        |                    |              |           | min. 6g, 6ms                                                    |                           |       |               |              |
| 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 koparkabel. Kabeln får inte förtennas.                                                                            |        |                    |              |           |                                                                 |                           |       |               |              |
| - Alla anslutningsskruvar måste dras med rekommenderat moment, även de som inte används då det kan finnas interna överkopplingar. |        |                    |              |           |                                                                 |                           |       |               |              |
| - Strömställare med låsbart vred skall ha tydliga läges markeringar.                                                              |        |                    |              |           |                                                                 |                           |       |               |              |
| - "PÅ"och& "AV" lägena kan vara märkta med "I" och "O" enligt IEC417 (symboler 5007 och 5008).                                    |        |                    |              |           |                                                                 |                           |       |               |              |
| Creepage distance                                                                                                                 |        |                    |              |           |                                                                 |                           |       |               |              |
|                                                                                                                                   |        |                    |              |           |                                                                 |                           |       | Distance (mm) |              |
|                                                                                                                                   |        |                    |              |           |                                                                 |                           |       | 12,70         |              |
| Clearance                                                                                                                         |        |                    |              |           |                                                                 |                           |       |               |              |
|                                                                                                                                   |        |                    |              |           |                                                                 |                           |       | Distance (mm) |              |
|                                                                                                                                   |        |                    |              |           |                                                                 |                           |       | 12,70         |              |
| Further Pictures                                                                                                                  |        |                    |              |           |                                                                 |                           |       |               |              |
| Picture Purpose                                                                                                                   |        |                    |              |           |                                                                 |                           |       |               |              |
| Picture Name                                                                                                                      |        |                    |              |           |                                                                 |                           |       |               |              |
| H010/A, H010/C                                                                                                                    |        |                    |              |           |                                                                 |                           |       |               |              |
| H010/B                                                                                                                            |        |                    |              |           |                                                                 |                           |       |               |              |
| Mounting Bauform                                                                                                                  |        |                    |              |           |                                                                 |                           |       |               |              |
| 1NO + 1NC                                                                                                                         |        |                    |              |           |                                                                 |                           |       |               |              |
| 2x 1NO + 1NC                                                                                                                      |        |                    |              |           |                                                                 |                           |       |               |              |
| E                                                                                                                                 |        |                    |              |           |                                                                 |                           |       |               |              |
| 33 41                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 34 42                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 33 41                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 34 42                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 53 61                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 54 62                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| VE                                                                                                                                |        |                    |              |           |                                                                 |                           |       |               |              |
| 31 43                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 32 44                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 31 43                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 32 44                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 51 63                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 52 64                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 31 43                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 32 44                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 31 43                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 32 44                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 51 63                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 52 64                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| Technical Data according to UL Specifications                                                                                     |        |                    |              |           |                                                                 |                           |       |               |              |
| Auxiliary Contacts KG20 - KG64B                                                                                                   |        |                    |              |           |                                                                 |                           |       |               |              |
| Auxiliary Contacts KG80 - KG105C                                                                                                  |        |                    |              |           |                                                                 |                           |       |               |              |
| Rated Voltage                                                                                                                     |        |                    |              |           |                                                                 |                           |       |               |              |
| Ampere Rating                                                                                                                     |        |                    |              |           |                                                                 |                           |       |               |              |
| Type of wire                                                                                                                      |        |                    |              |           |                                                                 |                           |       |               |              |
| Temperature rating of wire                                                                                                        |        |                    |              |           |                                                                 |                           |       |               |              |
| Torque value for field wiring terminals                                                                                           |        |                    |              |           |                                                                 |                           |       |               |              |
| V A . C.                                                                                                                          |        |                    |              |           |                                                                 |                           |       |               |              |
| 600                                                                                                                               |        |                    |              |           |                                                                 |                           |       |               |              |
| 10                                                                                                                                |        |                    |              |           |                                                                 |                           |       |               |              |
| 600                                                                                                                               |        |                    |              |           |                                                                 |                           |       |               |              |
| 10                                                                                                                                |        |                    |              |           |                                                                 |                           |       |               |              |
| Use 60/75°C copper wire only                                                                                                      |        |                    |              |           |                                                                 |                           |       |               |              |
| Use 75°C copper wire only                                                                                                         |        |                    |              |           |                                                                 |                           |       |               |              |
| 60/75                                                                                                                             |        |                    |              |           |                                                                 |                           |       |               |              |
| 75                                                                                                                                |        |                    |              |           |                                                                 |                           |       |               |              |
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# Mounting-KL11V



|                            |   |                   |
|----------------------------|---|-------------------|
| Skyddsklass frontpanel, IP |   | IP66, IP67, IP69k |
| Stages                     |   | 1,00 - 5,00       |
| A                          | H | 190,00 mm         |
| B                          | H | 100,00 mm         |
| C                          | H | 178,00 mm         |
| D2                         |   | 4,00 x M25        |
| D6                         |   | 2,00 x M25        |
| H                          | H | 93,00 mm          |

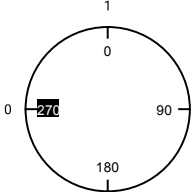
## Wiring diagram

KG41.T303.KL11V



Kraus & Naimer

KG41
T303
Page 1 of 1

| Face Plate                                                                                                                                                             |     |                                                                                   |    |    |   |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|----|----|---|----|----|----|----|
|                                                                                       |     | L1                                                                                | L2 | L3 |   |    |    |    |    |
|                                                                                                                                                                        |     | 1                                                                                 | 3  | 5  | 7 | 9  | 11 | 13 | 15 |
|                                                                                                                                                                        |     |  |    |    |   |    |    |    |    |
| Switching Angle <span style="border: 1px solid black; padding: 2px;">90</span><br>Total switching Angle <span style="border: 1px solid black; padding: 2px;">90</span> |     | 2                                                                                 | 4  | 6  | 8 | 10 | 12 | 14 | 16 |
|                                                                                                                                                                        |     | T1                                                                                | T2 | T3 |   |    |    |    |    |
| 0                                                                                                                                                                      | 270 |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        |     |                                                                                   |    |    |   |    |    |    |    |
| 1                                                                                                                                                                      | 0   | ■                                                                                 | ■  | ■  |   |    |    |    |    |
|                                                                                                                                                                        |     |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        | 90  |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        |     |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        | 180 |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        |     |                                                                                   |    |    |   |    |    |    |    |
|                                                                                                                                                                        |     |                                                                                   |    |    |   |    |    |    |    |

Version: 102

## Face plate

S1.F656/C10.V9

