



Sample image

## Datasheet

**Article number:** 70019686

**Designation:** KG10A.T102/04.E

**Description:** Switch Global Disconnectors

|                                                                                                                                                               |                          |                          |                                                                  |                        |                           |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------------------------------|------------------------|---------------------------|--------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                     |                          |                          |                                                                  |                        |                           |                          |
| Rated insulation voltage Ui                                                                                                                                   |                          |                          |                                                                  |                        |                           |                          |
| Voltage (V) AC / DC<br>690 AC                                                                                                                                 |                          |                          |                                                                  |                        |                           |                          |
| Rated uninterrupted current Iu/Ith                                                                                                                            |                          |                          |                                                                  |                        |                           |                          |
| Current (A)                                                                                                                                                   | Ambient temperature (°C) | Peak temperature (°C)    | additional requirements                                          |                        |                           |                          |
| 20                                                                                                                                                            | 50                       | 55                       | Ambient temperature +50°C during 24 hours with peaks up to +55°C |                        |                           |                          |
| Rated operational current Ie                                                                                                                                  |                          |                          |                                                                  |                        |                           |                          |
| Utilization category                                                                                                                                          |                          |                          | Voltage (V)                                                      |                        | Current (A)               |                          |
| AC-15                                                                                                                                                         |                          |                          | 220 - 240                                                        |                        | 6                         |                          |
| AC-15                                                                                                                                                         |                          |                          | 380 - 440                                                        |                        | 4                         |                          |
| Rated operational power                                                                                                                                       |                          |                          |                                                                  |                        |                           |                          |
| Utilization category                                                                                                                                          | Voltage (V)              | No. of phases            | No. of poles                                                     | Power (kW)             |                           |                          |
| AC-3                                                                                                                                                          | 220 - 240                | 3                        | 3                                                                | 2,20                   |                           |                          |
| AC-3                                                                                                                                                          | 380 - 440                | 3                        | 3                                                                | 3,70                   |                           |                          |
| AC-3                                                                                                                                                          | 660 - 690                | 3                        | 3                                                                | 3,70                   |                           |                          |
| AC-3                                                                                                                                                          | 220 - 240                | 1                        | 2                                                                | 1,10                   |                           |                          |
| AC-3                                                                                                                                                          | 380 - 440                | 1                        | 2                                                                | 1,50                   |                           |                          |
| AC-23A                                                                                                                                                        | 220 - 240                | 3                        | 3                                                                | 3                      |                           |                          |
| AC-23A                                                                                                                                                        | 380 - 440                | 3                        | 3                                                                | 5,50                   |                           |                          |
| AC-23A                                                                                                                                                        | 660 - 690                | 3                        | 3                                                                | 5,50                   |                           |                          |
| AC-23A                                                                                                                                                        | 220 - 240                | 1                        | 2                                                                | 1,50                   |                           |                          |
| AC-23A                                                                                                                                                        | 380 - 440                | 1                        | 2                                                                | 2,20                   |                           |                          |
| Max Fuse Rating IEC                                                                                                                                           |                          |                          |                                                                  |                        |                           |                          |
| Fuse characteristic                                                                                                                                           |                          |                          | No. of Fuses                                                     |                        | Current (A)               |                          |
| gG                                                                                                                                                            |                          |                          | 1                                                                |                        | 20                        |                          |
| UL60947-4-1 , UL508                                                                                                                                           |                          |                          |                                                                  |                        |                           |                          |
| Nominal Voltage                                                                                                                                               |                          |                          |                                                                  |                        |                           |                          |
| Voltage (V) AC / DC<br>300 AC                                                                                                                                 |                          |                          |                                                                  |                        |                           |                          |
| Rated insulation voltage Ui                                                                                                                                   |                          |                          |                                                                  |                        |                           |                          |
| Voltage (V) AC / DC<br>300 AC                                                                                                                                 |                          |                          |                                                                  |                        |                           |                          |
| Rated thermal current                                                                                                                                         |                          |                          |                                                                  |                        |                           |                          |
| Current (A)                                                                                                                                                   |                          | Ambient temperature (°C) |                                                                  | Additional Text        |                           |                          |
| 20                                                                                                                                                            |                          | 0 - 40                   |                                                                  | –                      |                           |                          |
| Horsepower rating                                                                                                                                             |                          |                          |                                                                  |                        |                           |                          |
| Across-the-Line Motor Starting                                                                                                                                |                          | Voltage (V)              | No. of phases                                                    | No. of poles           | Power (HP)                | Ambient temperature [°C] |
| DOL                                                                                                                                                           |                          | 110 - 220                | 1                                                                | 2                      | 0,50                      | 40                       |
| DOL                                                                                                                                                           |                          | 220 - 240                | 1                                                                | 2                      | 1                         | 40                       |
| DOL                                                                                                                                                           |                          | 277 - 277                | 1                                                                | 2                      | 1                         | 40                       |
| DOL                                                                                                                                                           |                          | 110 - 120                | 3                                                                | 3                      | 1                         | 40                       |
| DOL                                                                                                                                                           |                          | 220 - 240                | 3                                                                | 3                      | 2                         | 40                       |
| Pilot duty rating code                                                                                                                                        |                          |                          |                                                                  |                        |                           |                          |
| Duty Code                                                                                                                                                     |                          |                          |                                                                  |                        |                           |                          |
| A300                                                                                                                                                          |                          |                          |                                                                  |                        |                           |                          |
| SCCR / Max. fuse rating                                                                                                                                       |                          |                          |                                                                  |                        |                           |                          |
| Conditions of acceptability                                                                                                                                   |                          |                          |                                                                  |                        |                           |                          |
| These devices are suitable for use on circuits capable of delivering not more than 5kA rms symmetrical amperes, 300V ac max. when protected by Class J fuses. |                          |                          |                                                                  |                        |                           |                          |
| Temp. rating of wire                                                                                                                                          |                          |                          |                                                                  |                        |                           |                          |
| Temperature rating (°C)                                                                                                                                       |                          | Current (A)              |                                                                  | Text                   |                           |                          |
| 60 - 75                                                                                                                                                       |                          |                          |                                                                  | – Use copper wire only |                           |                          |
| Connecting instructions                                                                                                                                       |                          |                          |                                                                  |                        |                           |                          |
| Markings                                                                                                                                                      |                          |                          |                                                                  |                        |                           |                          |
| Break all lines.                                                                                                                                              |                          |                          |                                                                  |                        |                           |                          |
| For use on a flat surface of a type 1 enclosure.                                                                                                              |                          |                          |                                                                  |                        |                           |                          |
| General Use                                                                                                                                                   |                          |                          |                                                                  |                        |                           |                          |
| AC / DC                                                                                                                                                       | Voltage (V)              | Current (A)              | No. of phases                                                    | No. of poles           | No. of contacts in series |                          |
| AC                                                                                                                                                            | 277                      | 20                       | 1                                                                | 1                      | 1                         |                          |

| General Use                                                                                                                                                                                                                                                                                            |             |             |                          |              |                           |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------------------|--------------|---------------------------|--------------|
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V) | Current (A) | No. of phases            | No. of poles | No. of contacts in series |              |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20          | 1                        | 2            | 1                         |              |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20          | 1                        | 2            | 1                         |              |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20          | 3                        | 3            | 1                         |              |
| General Information                                                                                                                                                                                                                                                                                    |             |             |                          |              |                           |              |
| Text                                                                                                                                                                                                                                                                                                   |             |             |                          |              |                           |              |
| - The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers. |             |             |                          |              |                           |              |
| - When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.                                                                                                                                                                        |             |             |                          |              |                           |              |
| CSA                                                                                                                                                                                                                                                                                                    |             |             |                          |              |                           |              |
| Nominal Voltage                                                                                                                                                                                                                                                                                        |             |             |                          |              |                           |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | Voltage (V)  | AC / DC                   |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 300          | AC                        |              |
| Rated insulation voltage Ui                                                                                                                                                                                                                                                                            |             |             |                          |              |                           |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | Voltage (V)  | AC / DC                   |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 300          | AC                        |              |
| Rated thermal current                                                                                                                                                                                                                                                                                  |             |             |                          |              |                           |              |
|                                                                                                                                                                                                                                                                                                        |             | Current (A) | Ambient temperature (°C) |              | Additional Text           |              |
|                                                                                                                                                                                                                                                                                                        |             | 20          | 0 - 40                   |              | --                        |              |
| Horsepower rating                                                                                                                                                                                                                                                                                      |             |             |                          |              |                           |              |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |             |             |                          | Voltage (V)  | No. of phases             | No. of poles |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 110 - 220    | 1                         | 2            |
| DOL                                                                                                                                                                                                                                                                                                    |             |             |                          | 220 - 240    | 1                         | 2            |
| DOL                                                                                                                                                                                                                                                                                                    |             |             |                          | 277 - 277    | 1                         | 2            |
| DOL                                                                                                                                                                                                                                                                                                    |             |             |                          | 110 - 120    | 3                         | 3            |
| DOL                                                                                                                                                                                                                                                                                                    |             |             |                          | 220 - 240    | 3                         | 3            |
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## General Information

### Text

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

### Waste Electrical & Electronic Equipment (WEEE)

| Picture name                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at <a href="http://www.krausnaimer.com">www.krausnaimer.com</a> |

### Proposition 65

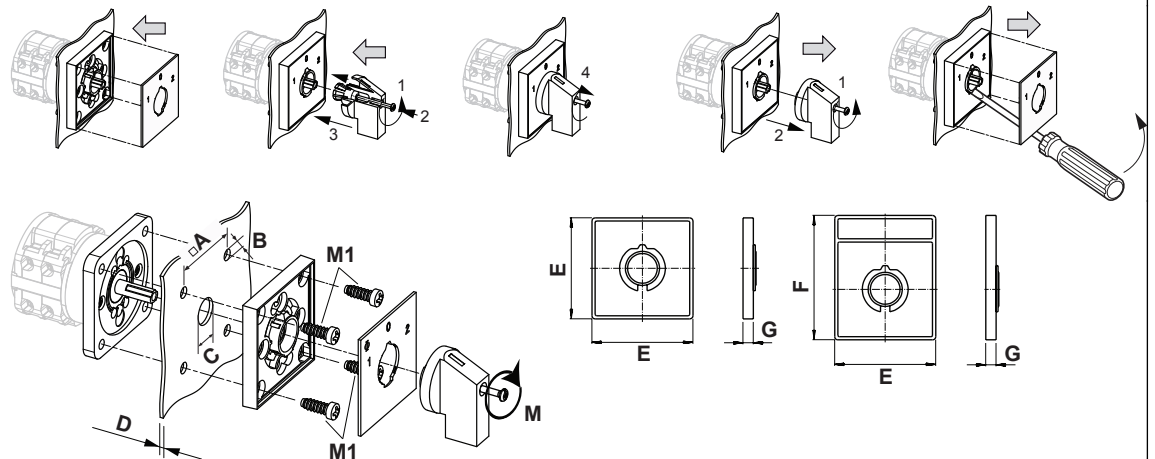
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

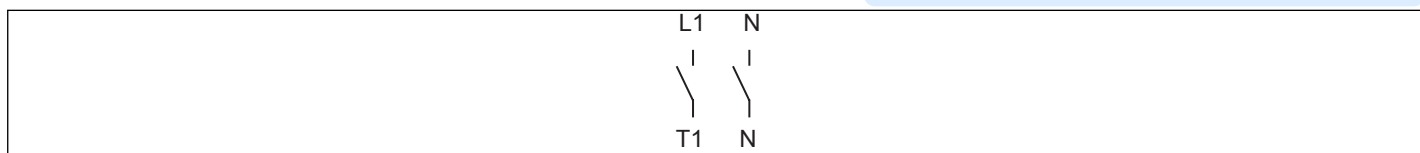
## Mounting-E



|                      |   |                  |
|----------------------|---|------------------|
| IP - Code front side |   | IP66, IP67       |
| Stages               |   | 1,00 - 12,00     |
| A                    | □ | 36,00 mm         |
| B                    | ∅ | 5,00 mm          |
| C                    | ∅ | 11,00 - 15,00 mm |
| D                    | H | <= 4,00 mm       |
| E                    | ∅ | 48,00 mm         |
| F                    | H | 59,00 mm         |
| G                    | H | 6,30 mm          |
| M                    | ↺ | 0,50 Nm          |
| M1                   | ↺ | 0,90 Nm          |

## Wiring diagram

KG10A.T302.E



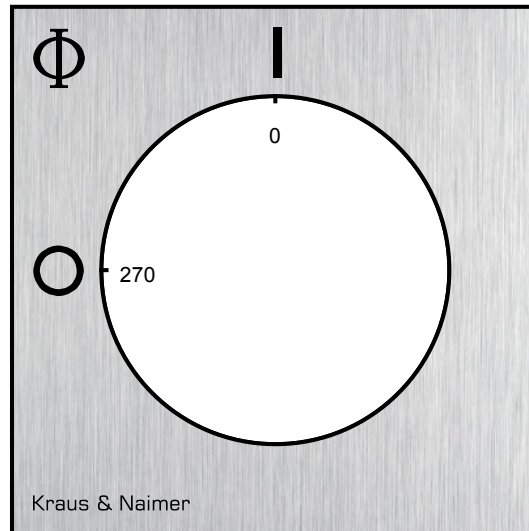
## Switch program

KG10A.T302.E

[illegible]

## Face plate

S0.F456/A10.E1LH



## PADLOCK DEVICE

**Designation:** S0.V845/A11/A11

**Face plate and handle unit:** "A" face plate/alu, frame/black, handle/black, locking push rod/red

**Locking position:** "1" at 09:00/03:00 - knockouts every 45°

**Angular displacement:** "1" 1 x 90°

**Type of mounting:** "A" for type of mounting E

**Type of mounting:** "A" for type of mounting GK

**Type of version:** "1" for same switch size

**Switch type:** "1" for C-switches and for KG10.

