



Sample image

## Datasheet

**Article number:** 70021630

**Designation:** KG32A.T103/01.E

**Description:** Switch Global Disconnecter

|                                                                                                                                                              |                          |                          |                                                                  |                 |                           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------------------------------|-----------------|---------------------------|--|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |                          |                          |                                                                  |                 |                           |  |
| Rated insulation voltage Ui                                                                                                                                  |                          |                          |                                                                  |                 |                           |  |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                  |                 |                           |  |
| 690 AC                                                                                                                                                       |                          |                          |                                                                  |                 |                           |  |
| Rated uninterrupted current Iu/Ith                                                                                                                           |                          |                          |                                                                  |                 |                           |  |
| Current (A)                                                                                                                                                  | Ambient temperature (°C) | Peak temperature (°C)    | additional requirements                                          |                 |                           |  |
| 32                                                                                                                                                           | 50                       | 55                       | Ambient temperature +50°C during 24 hours with peaks up to +55°C |                 |                           |  |
| Rated operational current Ie                                                                                                                                 |                          |                          |                                                                  |                 |                           |  |
| Utilization category                                                                                                                                         |                          |                          | Voltage (V)                                                      |                 | Current (A)               |  |
| AC-32A                                                                                                                                                       |                          |                          | 20 - 400                                                         |                 | 32                        |  |
| Rated operational power                                                                                                                                      |                          |                          |                                                                  |                 |                           |  |
| Utilization category                                                                                                                                         | Voltage (V)              | No. of phases            | No. of poles                                                     | Power (kW)      |                           |  |
| AC-3                                                                                                                                                         | 220 - 240                | 3                        | 3                                                                | 5,50            |                           |  |
| AC-3                                                                                                                                                         | 380 - 440                | 3                        | 3                                                                | 7,50            |                           |  |
| AC-3                                                                                                                                                         | 660 - 690                | 3                        | 3                                                                | 7,50            |                           |  |
| AC-23A                                                                                                                                                       | 220 - 240                | 3                        | 3                                                                | 5,50            |                           |  |
| AC-23A                                                                                                                                                       | 380 - 440                | 3                        | 3                                                                | 11              |                           |  |
| AC-23A                                                                                                                                                       | 660 - 690                | 3                        | 3                                                                | 11              |                           |  |
| Max Fuse Rating IEC                                                                                                                                          |                          |                          |                                                                  |                 |                           |  |
| Fuse characteristic                                                                                                                                          |                          |                          | No. of Fuses                                                     |                 | Current (A)               |  |
| gG                                                                                                                                                           |                          |                          | 1                                                                |                 | 35                        |  |
| UL60947-4-1 , UL508                                                                                                                                          |                          |                          |                                                                  |                 |                           |  |
| Nominal Voltage                                                                                                                                              |                          |                          |                                                                  |                 |                           |  |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                  |                 |                           |  |
| 600 AC                                                                                                                                                       |                          |                          |                                                                  |                 |                           |  |
| Rated insulation voltage Ui                                                                                                                                  |                          |                          |                                                                  |                 |                           |  |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                  |                 |                           |  |
| 600 AC                                                                                                                                                       |                          |                          |                                                                  |                 |                           |  |
| Rated thermal current                                                                                                                                        |                          |                          |                                                                  |                 |                           |  |
| Current (A)                                                                                                                                                  |                          | Ambient temperature (°C) |                                                                  | Additional Text |                           |  |
| 30                                                                                                                                                           |                          | 0 - 40                   |                                                                  | --              |                           |  |
| Horsepower rating                                                                                                                                            |                          |                          |                                                                  |                 |                           |  |
| Across-the-Line Motor Starting                                                                                                                               | Voltage (V)              | No. of phases            | No. of poles                                                     | Power (HP)      | Ambient temperature [°C]  |  |
| DOL                                                                                                                                                          | 110 - 120                | 1                        | 2                                                                | 1,50            | 40                        |  |
| DOL                                                                                                                                                          | 200 - 208                | 1                        | 2                                                                | 3               | 40                        |  |
| DOL                                                                                                                                                          | 220 - 240                | 1                        | 2                                                                | 5               | 40                        |  |
| DOL                                                                                                                                                          | 277 - 277                | 1                        | 2                                                                | 5               | 40                        |  |
| DOL                                                                                                                                                          | 415 - 415                | 1                        | 2                                                                | 5               | 40                        |  |
| DOL                                                                                                                                                          | 440 - 480                | 1                        | 2                                                                | 7,50            | 40                        |  |
| DOL                                                                                                                                                          | 550 - 600                | 1                        | 2                                                                | 7,50            | 40                        |  |
| DOL                                                                                                                                                          | 110 - 120                | 3                        | 3                                                                | 3               | 40                        |  |
| DOL                                                                                                                                                          | 200 - 240                | 3                        | 3                                                                | 10              | 40                        |  |
| DOL                                                                                                                                                          | 415 - 415                | 3                        | 3                                                                | 10              | 40                        |  |
| DOL                                                                                                                                                          | 440 - 480                | 3                        | 3                                                                | 20              | 40                        |  |
| DOL                                                                                                                                                          | 550 - 600                | 3                        | 3                                                                | 25              | 40                        |  |
| Pilot duty rating code                                                                                                                                       |                          |                          |                                                                  |                 |                           |  |
| Duty Code                                                                                                                                                    |                          |                          |                                                                  |                 |                           |  |
| A600                                                                                                                                                         |                          |                          |                                                                  |                 |                           |  |
| SCCR / Max. fuse rating                                                                                                                                      |                          |                          |                                                                  |                 |                           |  |
| Conditions of acceptability                                                                                                                                  |                          |                          |                                                                  |                 |                           |  |
| This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses. |                          |                          |                                                                  |                 |                           |  |
| Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 40A Class J fuses.           |                          |                          |                                                                  |                 |                           |  |
| Temp. rating of wire                                                                                                                                         |                          |                          |                                                                  |                 |                           |  |
| Temperature rating (°C)                                                                                                                                      |                          |                          | Current (A) Text                                                 |                 |                           |  |
| 60 - 75                                                                                                                                                      |                          |                          | -- --                                                            |                 |                           |  |
| General Use                                                                                                                                                  |                          |                          |                                                                  |                 |                           |  |
| AC / DC                                                                                                                                                      | Voltage (V)              | Current (A)              | No. of phases                                                    | No. of poles    | No. of contacts in series |  |
| AC                                                                                                                                                           | 277                      | 30                       | 1                                                                | 1               | 1                         |  |

| General Use                                                                                                                                                                                                                                                                                            |             |             |                          |                     |                           |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------------------|---------------------|---------------------------|--------------|
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V) | Current (A) | No. of phases            | No. of poles        | No. of contacts in series |              |
| AC                                                                                                                                                                                                                                                                                                     | 600         | 30          | 1                        | 2                   | 1                         |              |
| AC                                                                                                                                                                                                                                                                                                     | 600         | 30          | 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 |                           |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 600 AC              |                           |              |
| Rated insulation voltage Ui                                                                                                                                                                                                                                                                            |             |             |                          |                     |                           |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | Voltage (V) AC / DC |                           |              |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 600 AC              |                           |              |
| Rated thermal current                                                                                                                                                                                                                                                                                  |             |             |                          |                     |                           |              |
|                                                                                                                                                                                                                                                                                                        |             | Current (A) | Ambient temperature (°C) |                     | Additional Text           |              |
|                                                                                                                                                                                                                                                                                                        |             | 30          | 0 - 40                   |                     | --                        |              |
| Horsepower rating                                                                                                                                                                                                                                                                                      |             |             |                          |                     |                           |              |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |             |             |                          | Voltage (V)         | No. of phases             | No. of poles |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 110 - 120           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 220 - 240           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 277 - 277           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 415 - 415           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 440 - 480           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 550 - 600           | 1                         | 2            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 110 - 120           | 3                         | 3            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 220 - 240           | 3                         | 3            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 415 - 415           | 3                         | 3            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 440 - 480           | 3                         | 3            |
|                                                                                                                                                                                                                                                                                                        |             |             |                          | 550 - 600           | 3                         | 3            |
| Power (HP)                                                                                                                                                                                                                                                                                             |             |             |                          |                     |                           |              |
| 1,50                                                                                                                                                                                                                                                                                                   |             |             |                          |                     |                           |              |
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| Ambient temperature [°C]                                                                                                                                                                                                                                                                               |             |             |                          |                     |                           |              |
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## General Information

### Text

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

### Waste Electrical & Electronic Equipment (WEEE)

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

### Proposition 65

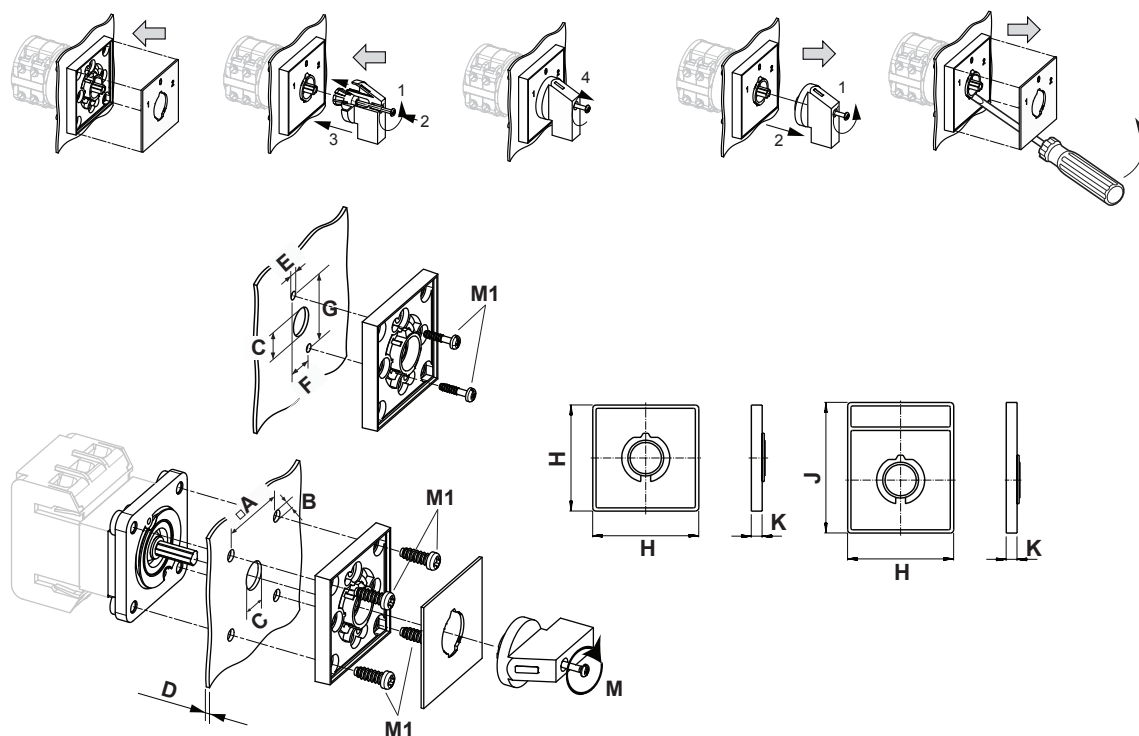
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
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|  | 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

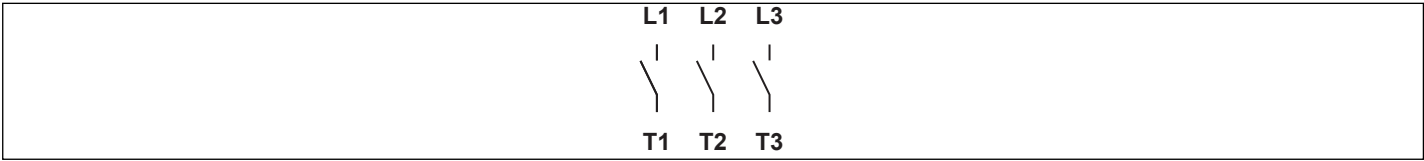


|                      |                    |
|----------------------|--------------------|
| IP - Code front side | IP66, IP67         |
| Stages               | 1,00 - 12,00       |
| A                    | □ 36,00 mm         |
| B                    | ∅ 5,00 mm          |
| C                    | ∅ 10,00 - 15,00 mm |
| D                    | H ≤ 4,00 mm        |
| E                    | ∅ 3,50 mm          |
| F                    | H 12,20 mm         |
| G                    | H 30,00 mm         |
| H                    | H 48,00 mm         |
| J                    | H 59,00 mm         |
| K                    | H 6,30 mm          |
| M                    | M̄ 0,50 Nm         |
| M1                   | M̄ 0,90 Nm         |



Wiring diagram

KG32A.T303.E



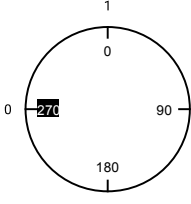
## Switch program

KG32A.T303.E



Kraus & Naimer

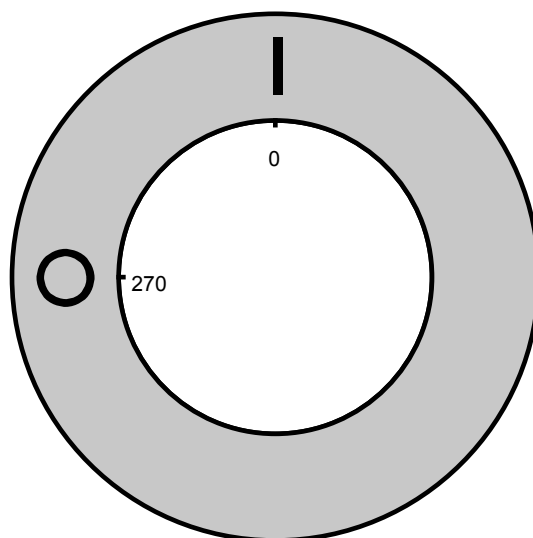
**KG32A**
**T303**
**Page 1 of 1**

| 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 |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
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|                                                                                                                                                                        |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |

Version: 102

## Face plate

S0.F456/C10.V11





Sample image

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

**Designation:** S0.V840D/A7-E

**Colour of F-handle ring:** "A" black

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

**Type of mounting:** "-E" for type of mounting E for KA40/KA63, KG20A/KG32A, KG41/KG64, KH(R)16-KH(R)25, KF16-KFD32

