



Sample image

## Datasheet

**Article number:** 70010162

**Designation:** KG32B.T203/01.E

**Description:** Switchgear

3D-File: [https://pd.krausnaimer.com/data/3d-model/dynamic/3D\\_70010162\\_2460988124.zip](https://pd.krausnaimer.com/data/3d-model/dynamic/3D_70010162_2460988124.zip)

|                                                                                                                                                              |  |                          |                         |                                                                     |                  |                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|-------------------------|---------------------------------------------------------------------|------------------|------------------------------------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |  |                          |                         |                                                                     |                  |                                                      |
| Rated insulation voltage Ui                                                                                                                                  |  |                          |                         |                                                                     |                  |                                                      |
|                                                                                                                                                              |  |                          | Voltage (V) AC / DC     |                                                                     |                  |                                                      |
|                                                                                                                                                              |  |                          | 690 50/60Hz             |                                                                     |                  |                                                      |
| 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                       | Power (HP)                                                                            | Ambient temperature [°C]  |                           |
| DOL                                                                                                                                                                                                                                                                                                    | 110 - 120         | 1                             | 2                                  | 1,50                                                                                  | 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                                                                                                                                                                                                                                                                                                    | 220 - 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                                                                                                                                                                                                                                                                                                   |                   |                               |                                    |                                                                                       |                           |                           |
| Temp. rating of wire                                                                                                                                                                                                                                                                                   |                   |                               |                                    |                                                                                       |                           |                           |
|                                                                                                                                                                                                                                                                                                        |                   | Temperature rating (°C)       | Current (A)                        |                                                                                       | Text                      |                           |
|                                                                                                                                                                                                                                                                                                        |                   | 75                            |                                    |                                                                                       | -- --                     |                           |
| General Use                                                                                                                                                                                                                                                                                            |                   |                               |                                    |                                                                                       |                           |                           |
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V)       | Current (A)                   | No. of phases                      | No. of poles                                                                          |                           | No. of contacts in series |
| AC                                                                                                                                                                                                                                                                                                     | 277               | 30                            | 1                                  | 1                                                                                     |                           | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 30                            | 1                                  | 2                                                                                     |                           | 1                         |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 30                            | 3                                  | 3                                                                                     |                           | 1                         |
| GENERAL TECHNICAL INFORMATION                                                                                                                                                                                                                                                                          |                   |                               |                                    |                                                                                       |                           |                           |
| Size of conductor                                                                                                                                                                                                                                                                                      |                   |                               |                                    |                                                                                       |                           |                           |
| composition of conductor                                                                                                                                                                                                                                                                               | Min. / Max. value | No. of conductor per terminal | Cross section (mm²) or (AWG/kcmil) | Material of the wire                                                                  |                           |                           |
| Flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             | AWG 10                             | Copper                                                                                |                           |                           |
| Flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             | 4mm²                               | Copper                                                                                |                           |                           |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             | 6mm²                               | Copper                                                                                |                           |                           |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             | AWG 10                             | Copper                                                                                |                           |                           |
| Flexible wire with sleeve                                                                                                                                                                                                                                                                              | Max.              | 1                             | 4mm²                               | Copper                                                                                |                           |                           |
| Stripping length                                                                                                                                                                                                                                                                                       |                   |                               |                                    |                                                                                       |                           |                           |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                                    | Length (mm) --                                                                        |                           |                           |
|                                                                                                                                                                                                                                                                                                        |                   |                               |                                    |  |                           |                           |
| Recommended screw driver                                                                                                                                                                                                                                                                               |                   |                               |                                    |                                                                                       |                           |                           |
| Type of screw driver                                                                                                                                                                                                                                                                                   |                   | Value                         |                                    |                                                                                       |                           |                           |
| Cross Screwdriver                                                                                                                                                                                                                                                                                      |                   | PH2                           |                                    |                                                                                       |                           |                           |
| Slot screwdriver according to DIN 5264                                                                                                                                                                                                                                                                 |                   | 0,8x4                         |                                    |                                                                                       |                           |                           |
| Tightening torque of screws                                                                                                                                                                                                                                                                            |                   |                               |                                    |                                                                                       |                           |                           |
|                                                                                                                                                                                                                                                                                                        |                   |                               | tightening torque (Nm)             |                                                                                       | tightening torque (lb-in) |                           |
|                                                                                                                                                                                                                                                                                                        |                   |                               | 1,25                               |                                                                                       | 11                        |                           |
| Approbations                                                                                                                                                                                                                                                                                           |                   |                               |                                    |                                                                                       |                           |                           |
| Specification                                                                                                                                                                                                                                                                                          |                   |                               |                                    | Marking                                                                               |                           |                           |
| CE marking                                                                                                                                                                                                                                                                                             |                   |                               |                                    |  |                           |                           |
| UK Directives                                                                                                                                                                                                                                                                                          |                   |                               |                                    |  |                           |                           |
| UL 60947-4-1; CSA C22.2 No. 60947-4-1                                                                                                                                                                                                                                                                  |                   |                               |                                    |  |                           |                           |
| CSA C.22.2 No.14                                                                                                                                                                                                                                                                                       |                   |                               |                                    |  |                           |                           |
| GB/T14048.3                                                                                                                                                                                                                                                                                            |                   |                               |                                    |  |                           |                           |

## General Information

### Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- EMC Note: This device is suitable for use in environment A and B.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- 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.

### 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 [www.krausnaimer.com](http://www.krausnaimer.com)

### Proposition 65

#### Picture name

#### Description



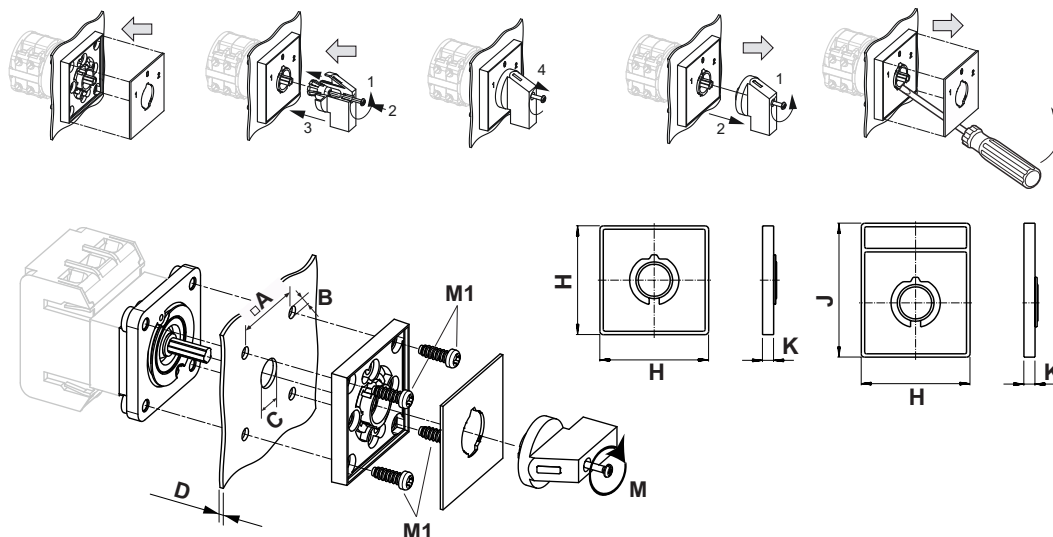
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

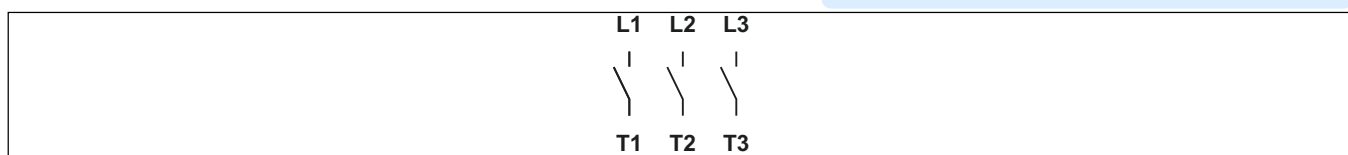
## Mounting-E



|                      |                    |
|----------------------|--------------------|
| IP - Code front side | IP66, IP67         |
| Stages               | 1,00 - 12,00       |
| A                    | □ 48,00 mm         |
| B                    | ∅ 5,00 mm          |
| C                    | ∅ 10,00 - 15,00 mm |
| D                    | H <= 4,00 mm       |
| H                    | H 64,00 mm         |
| J                    | H 78,00 mm         |
| K                    | H 7,40 mm          |
| M                    | ↺ 0,70 Nm          |
| M1                   | ↺ 1,20 Nm          |

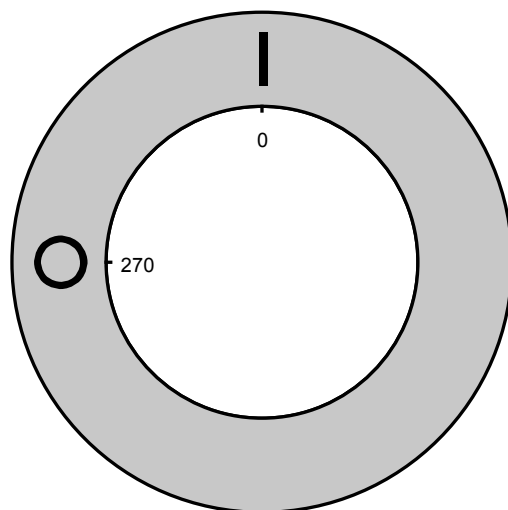
## Wiring diagram

KG32B.T303.E



## Face plate

S1.F456/C10.V11H





Sample image

## PADLOCK DEVICE

with F-handle ring

**Designation:** S1.V840G/D61/A2

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

**Color of face plate ring:** "6" yellow

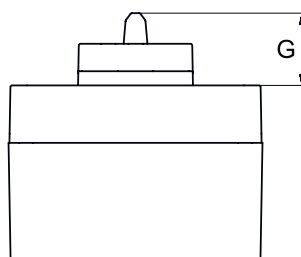
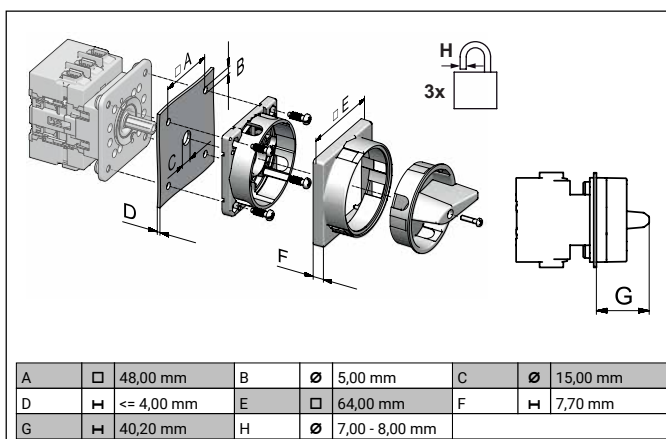
**Locking position:** "1" at 270° (1x90°)

**Type of mounting:** "A" for type of mounting GK (Rose)

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

**Switch type:** "2" for KA- and KG-switches

**Switch type:** "2" for KHR-switches



|   |   |          |  |  |
|---|---|----------|--|--|
| G | H | 40,20 mm |  |  |
|---|---|----------|--|--|