

Sample image

Datasheet

Article number: 70011575

Designation: KG20B.T204/01.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 | | | | |
| 25 | 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 | | 20 |
| Rated operational power | | | | | | |
| Utilization category | Voltage (V) | No. of phases | | No. of poles | | Power (kW) |
| AC-3 | 220 - 240 | 3 | | 3 | | 4 |
| AC-3 | 380 - 440 | 3 | | 3 | | 5,50 |
| AC-3 | 660 - 690 | 3 | | 3 | | 5,50 |
| AC-23A | 220 - 240 | 3 | | 3 | | 5,50 |
| AC-23A | 380 - 440 | 3 | | 3 | | 7,50 |
| AC-23A | 660 - 690 | 3 | | 3 | | 7,50 |
| 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 | | | | |
| 25 | | 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 | 40 | |
| DOL | 220 - 240 | 1 | 2 | 3 | 40 | |
| DOL | 277 - 277 | 1 | 2 | 3 | 40 | |
| DOL | 415 - 415 | 1 | 2 | 5 | 40 | |
| DOL | 440 - 480 | 1 | 2 | 5 | 40 | |
| DOL | 550 - 600 | 1 | 2 | 5 | 40 | |
| DOL | 110 - 120 | 3 | 3 | 2 | 40 | |
| DOL | 200 - 240 | 3 | 3 | 7,50 | 40 | |
| DOL | 415 - 415 | 3 | 3 | 10 | 40 | |
| DOL | 440 - 480 | 3 | 3 | 15 | 40 | |
| DOL | 550 - 600 | 3 | 3 | 20 | 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 | 25 | 1 | 1 | 1 | |
| AC | 600 | 25 | 1 | 2 | 1 | |
| AC | 600 | 25 | 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. | | | | | | |

| General Information | | | | | | |
|--|-------------|-------------------------|---|------------------------------------|---|--------------------------|
| Text | | | | | | |
| - When intended for use as a motor disconnector 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 | |
| | | 25 | 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 | 40 |
| DOL | | 220 - 240 | 1 | 2 | 3 | 40 |
| DOL | | 277 - 277 | 1 | 2 | 3 | 40 |
| DOL | | 415 - 415 | 1 | 2 | 5 | 40 |
| DOL | | 440 - 480 | 1 | 2 | 5 | 40 |
| DOL | | 550 - 600 | 1 | 2 | 5 | 40 |
| DOL | | 110 - 120 | 3 | 3 | 2 | 40 |
| DOL | | 220 - 240 | 3 | 3 | 7,50 | 40 |
| DOL | | 415 - 415 | 3 | 3 | 10 | 40 |
| DOL | | 440 - 480 | 3 | 3 | 15 | 40 |
| DOL | | 550 - 600 | 3 | 3 | 20 | 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 | 25 | 1 | 1 | 1 | |
| AC | 600 | 25 | 1 | 2 | 1 | |
| AC | 600 | 25 | 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) -- | | | |
| | | |  | | | |
| | | | 9 | | | |
| 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 | |
| EAC | | | | |  | |
| CE marking | | | | |  | |
| UK Directives | | | | |  | |
| CSA C.22.2 No.14 | | | | |  | |
| GB/T14048.3 | | | | |  | |
| General Information | | | | | | |
| Text | | | | | | |
| - EMC Note: This device is suitable for use in environment A and B. | | | | | | |
| - 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. | | | | | | |

General Information

Text

- 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 www.krausnaimer.com

Proposition 65

Picture name

Description



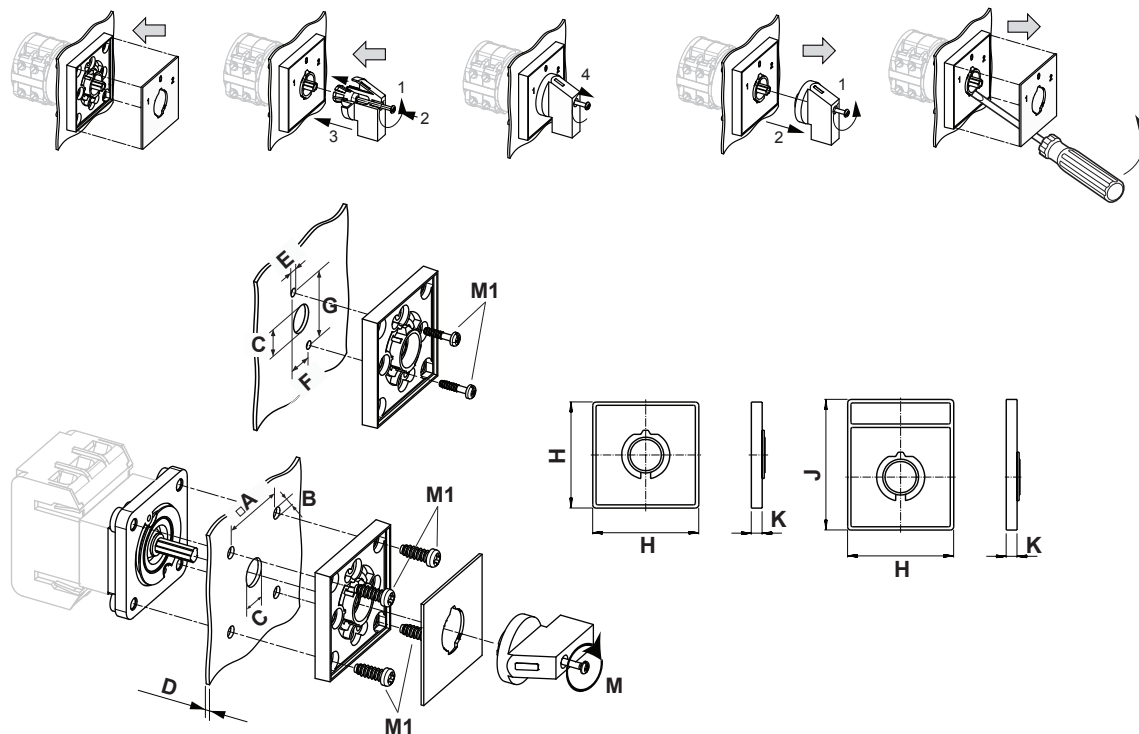
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

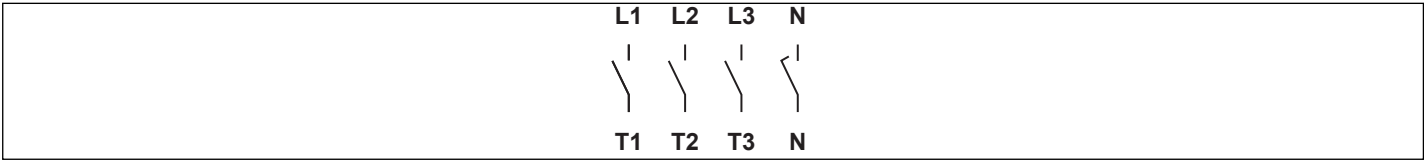


| IP - Code front side | | IP66, IP67 |
|----------------------|----|------------------|
| Stages | | 1,00 - 12,00 |
| A | □ | 48,00 mm |
| B | ∅ | 5,00 mm |
| C | ∅ | 10,00 - 15,00 mm |
| D | H | <= 4,00 mm |
| E | ∅ | 3,50 mm |
| F | H | 12,20 mm |
| G | H | 30,00 mm |
| H | H | 64,00 mm |
| J | H | 78,00 mm |
| K | H | 7,40 mm |
| M | M̃ | 0,70 Nm |
| M1 | M̃ | 0,90 Nm |




Wiring diagram

KG20B.T304.E



Switch program

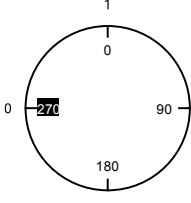
KG20B.T304.E



Kraus & Naimer

KG20B
T304

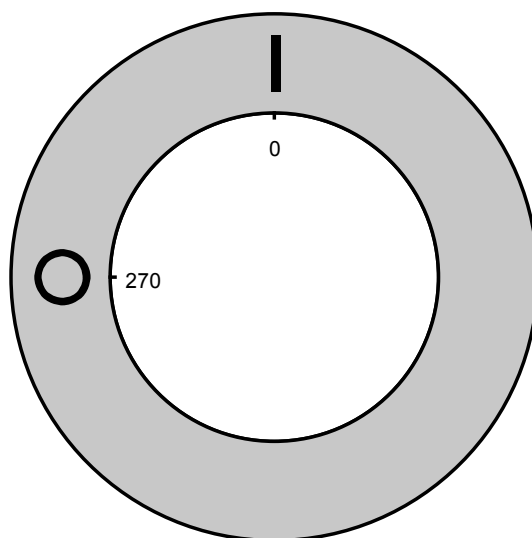
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| Face Plate | | | | | | | | | |
|--|-----|----|----|----|---|----|----|----|----|
|  | | L1 | L2 | L3 | N | | | | |
| | | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 |
| Switching Angle 90 Total switching Angle 90 | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| | | T1 | T2 | T3 | N | | | | |
| 0 | 270 | | | | | | | | |
| | | | | | | | | | |
| 1 | 0 | ■ | ■ | ■ | ■ | | | | |
| | | | | | | | | | |
| | 90 | | | | | | | | |
| | | | | | | | | | |
| | 180 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Version: 94

Face plate

S1.F456/C10.V11H





Sample image

PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/D61/A2

Colour of F-handle ring: "D" red

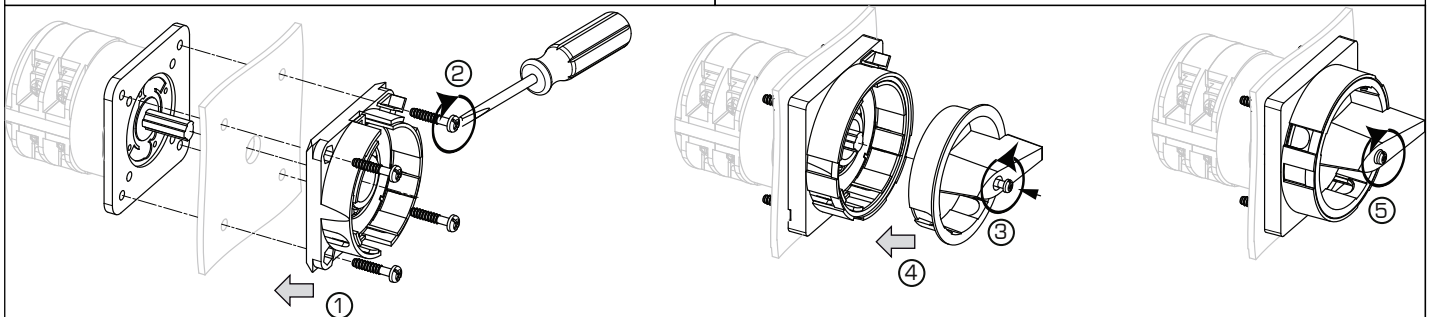
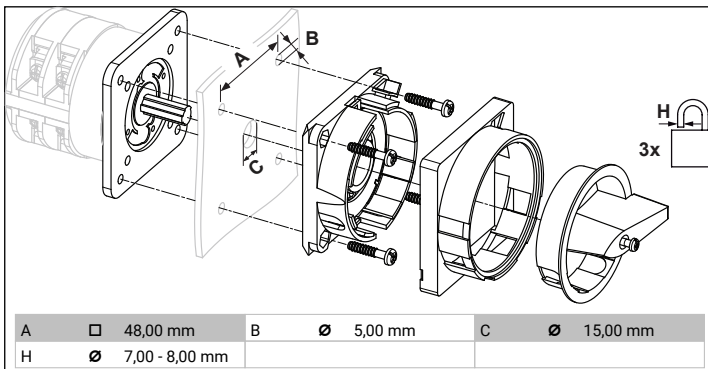
Colour of face ring: "6" yellow

Locking position: "1" at 270° (1x90°)

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

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

Switch type: "2" for KA-, KG- and KH(R)-switches



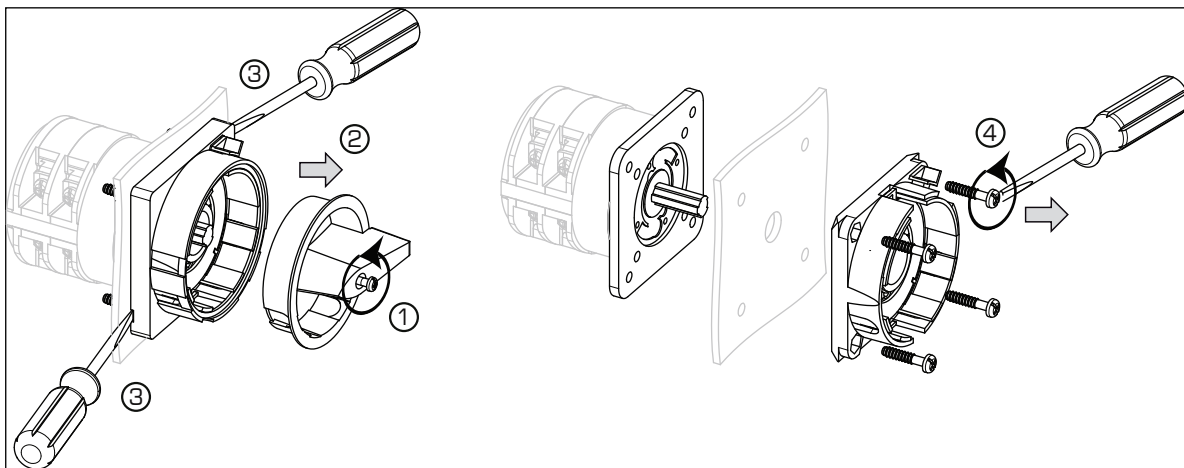
MOUNTING

1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.



1 Loose handle screw

2 remove handle.

3 Insert a proper auxiliary tool at those points of the frame of the device which are marked by a screw driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.