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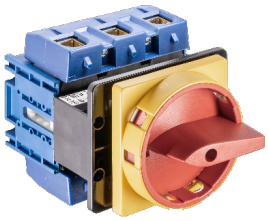

Sample image

# Datasheet

**Article number:** 70011050
**Designation:** KG125.T203/01.E
**Description:** Switch Global Disconnector

3D-File: https://pd.krausnaimer.com/data/3d-model/dynamic/3D_70011050_1233883402.zip

## IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

**Rated insulation voltage Ui**

| Voltage (V) | AC / DC |
|---|---|
| 1000 | 50/60Hz |

**Rated uninterrupted current Iu/Ith**

| Current (A) | Ambient temperature (°C) | Peak temperature (°C) | additional requirements |
|---|---|---|---|
| 125 | 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 | 125 |

**Rated operational power**

| Utilization category | Voltage (V) | No. of phases | No. of poles | Power (kW) |
|---|---|---|---|---|
| AC-3 | 220 - 240 | 3 | 3 | 22 |
| AC-3 | 380 - 440 | 3 | 3 | 37 |
| AC-3 | 660 - 690 | 3 | 3 | 30 |
| AC-23A | 220 - 240 | 3 | 3 | 30 |
| AC-23A | 380 - 440 | 3 | 3 | 45 |
| AC-23A | 660 - 690 | 3 | 3 | 37 |

**Max. Fuse rating IEC**

| Fuse characteristic | No. of Fuses | Current (A) |
|---|---|---|
| gG | 1 | 125 |

## 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 |
|---|---|---|
| 150 | 0 - 40 | ON-OFF switch (Valid when connected with wire rated for 75°C) |
| 125 | 0 - 40 | Change over switch (Valid when connected with wire rated for 75°C) |

**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 | 7,50 | 40 |
| DOL | 220 - 240 | 1 | 2 | 20 | 40 |
| DOL | 277 - 277 | 1 | 2 | 20 | 40 |
| DOL | 440 - 480 | 1 | 2 | 35 | 40 |
| DOL | 550 - 600 | 1 | 2 | 35 | 40 |
| DOL | 110 - 120 | 3 | 3 | 15 | 40 |
| DOL | 220 - 240 | 3 | 3 | 30 | 40 |
| DOL | 440 - 480 | 3 | 3 | 60 | 40 |
| DOL | 550 - 600 | 3 | 3 | 60 | 40 |

**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 300A Class J fuses.

**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 | 125 | 1 | 1 | 1 |
| AC | 277 | 150 | 1 | 1 | 1 |
| AC | 600 | 150 | 1 | 2 | 1 |



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**General Use**

| AC / DC | Voltage (V) | Current (A) | No. of phases | No. of poles | No. of contacts in series |
|---|---|---|---|---|---|
| AC | 600 | 150 | 3 | 3 | 1 |
| AC double-throw function | 600 | 125 | 1 | 2 | 1 |
| AC double-throw function | 600 | 125 | 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.

## 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 |
|---|---|---|
| 150 | 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 | 7,50 | 40 |
| DOL | 220 - 240 | 1 | 2 | 20 | 40 |
| DOL | 277 - 277 | 1 | 2 | 20 | 40 |
| DOL | 440 - 480 | 1 | 2 | 35 | 40 |
| DOL | 550 - 600 | 1 | 2 | 35 | 40 |
| DOL | 110 - 120 | 3 | 3 | 15 | 40 |
| DOL | 220 - 240 | 3 | 3 | 30 | 40 |
| DOL | 440 - 480 | 3 | 3 | 60 | 40 |
| DOL | 550 - 600 | 3 | 3 | 60 | 40 |

**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 | 150 | 1 | 1 | 1 |
| AC | 600 | 150 | 1 | 2 | 1 |
| AC | 600 | 150 | 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 |
|---|---|---|---|---|
| Solid wire | Min. | 1 | 6mm² | Copper |
| Flexible wire | Max. | 1 | 70mm² | Copper |
| Flexible wire | Min. | 1 | 16mm² | Copper |
| Flexible wire | Max. | 1 | AWG 2/0 | Copper |
| Single-core or stranded wire | Max. | 1 | 95mm² | Copper |
| Single-core or stranded wire | Max. | 1 | AWG 3/0 | Copper |
| Flexible wire with sleeve | Max. | 1 | 70mm² | Copper |
| Flexible wire with ferrule according to DIN 46228 | Min. | 1 | 10mm² | Copper |

**Stripping length**

| Length (mm) | -- |
|---|---|


**Recommended screw driver**

| Type of screw driver | Value |
|---|---|
| Hex key | 5 |

**Tightening torque of screws**

| tightening torque (Nm) | tightening torque (lb-in) |
|---|---|
| 14 | 125 |

**Approbations**

| Specification | Marking |
|---|---|
| CE marking | CE |
| UK Directives | UKCA |
| UL 60947-4-1; CSA C22.2 No. 60947-4-1 | cULus LISTED 77B7 |
| CSA C.22.2 No.14 | SP |
| GB/T14048.3 | CCC GB/T14048.3 |



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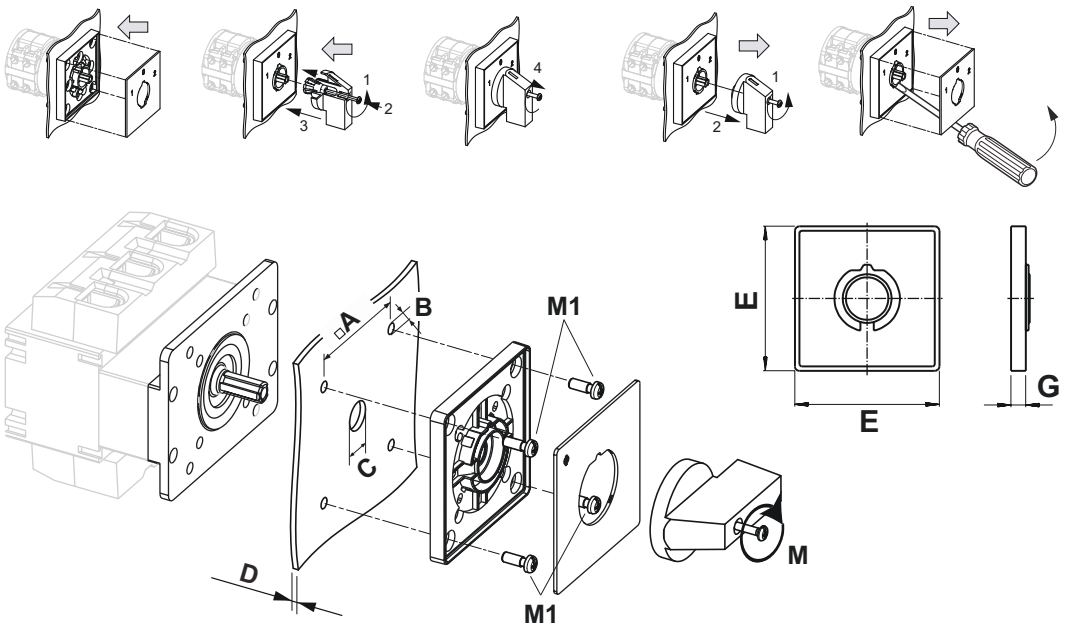
| General Information |
|---|
| *Text* |
| - Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed. |
| - EMC Note: This device is suitable for use in environment A and B. |
| - Terminals with factory fitted jumper links 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 |

| 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 | □ | 68,00 mm |
| B | Ø | 6,00 mm |
| C | Ø | 13,00 - 17,00 mm |
| D | H | <= 5,50 mm |
| E | H | 88,00 mm |
| G | H | 8,50 mm |
| M | M | 1,20 Nm |
| M1 | M | 1,50 Nm |

Front mounting plates must be mounted with M5 x 25mm cylinder head screws or oval head screws, washers, and nuts. Please note that these components are not included in the scope of delivery.

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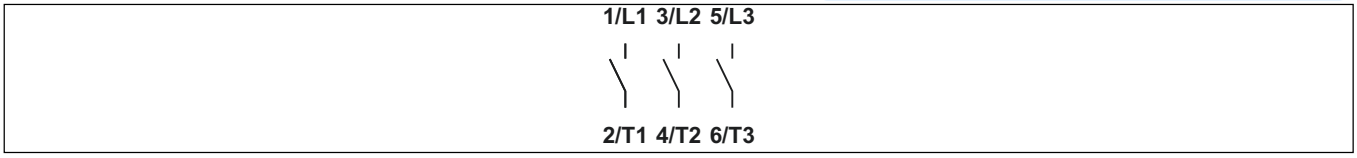
# Wiring diagram

KG125.T303.E



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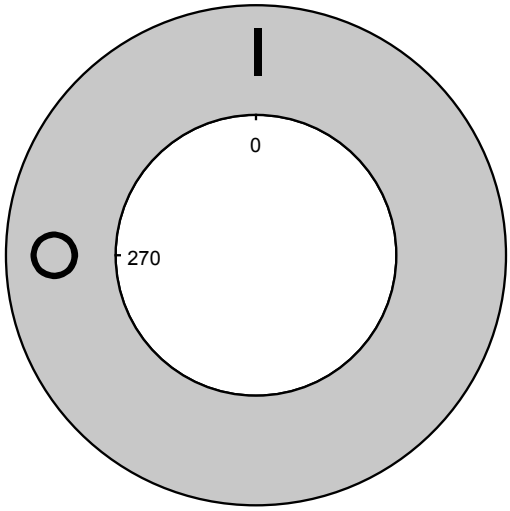
# Face plate

S2.F456/C10.V11



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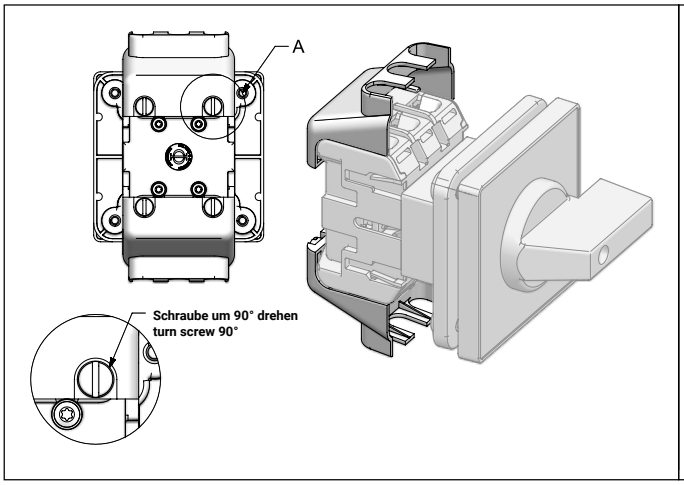
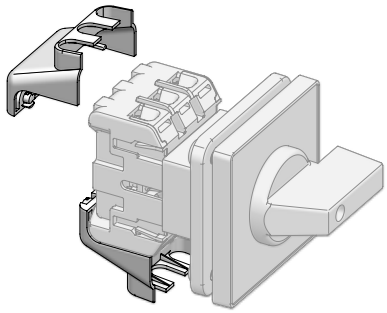
## PROTECTIVE COVER

**for KA40-KA63BT and KG20-KG317**

**Designation:** K3.M160/32
**Type of version:** "3" cover for 3 pole switches
**Switch type:** "2" for KG125, KG127, KG160 and KG162



| | | | | |
|---|---|---|---|---|
| A | H | 76,00 mm | | |



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