

Sample image

## KG252

Type Size: S2

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Bolt terminal/Screw terminal

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

**Rated insulation voltage Ui**

| Voltage (V) | AC / DC |
|-------------|---------|
| 1000        | AC      |

**Rated impulse withstand voltage Uimp**

| Voltage (kV) | Overtoltage category | Pollution degree | Supply system  | Function |
|--------------|----------------------|------------------|--|----------|
| 8            | III                  | 3                | Valid for lines with grounded common neutral termination | switch   |

**Rated uninterrupted current Iu/Ith**

| Current (A) | Ambient temperature (°C) | Peak temperature (°C) | additional requirements  |
|-------------|--------------------------|-----------------------|--|
| 250         | 50                       | 55                    | Ambient temperature +50°C during 24 hours with peaks up to +55°C |

**Conventional enclosed thermal current Ithe**

| Current (A) | Ambient temperature (°C) | Peak temperature (°C) | Additional requirements  | No. of stages (from - to) | Mounting | Mounting size |
|-------------|--------------------------|-----------------------|--|---------------------------|----------|---------------|
| 250         | 35                       | 40                    | Ambient temperature +35°C during 24 hours with peaks up to +40°C | --                        | --       | --            |

**Rated operational current Ie**

| Utilization category | Voltage (V) | Current (A) |
|----------------------|-------------|-------------|
| AC-20A               | 1000        | 250         |
| AC-21A               | 20 - 690    | 250         |
| AC-22A               | 220 - 500   | 200         |
| AC-22A               | 660 - 690   | 125         |

**Rated operational power**

| Utilization category | Voltage (V) | No. of phases | No. of poles | Power (kW) |
|----------------------|-------------|---------------|--------------|------------|
| AC-3                 | 220 - 240   | 3             | 3            | 37         |
| AC-3                 | 380 - 440   | 3             | 3            | 55         |
| AC-3                 | 500 - 500   | 3             | 3            | 75         |
| AC-3                 | 660 - 690   | 3             | 3            | 40         |
| AC-23A               | 220 - 240   | 3             | 3            | 37         |
| AC-23A               | 500 - 500   | 3             | 3            | 110        |
| AC-23A               | 380 - 440   | 3             | 3            | 90         |
| AC-23A               | 660 - 690   | 3             | 3            | 45         |

**Max Fuse Rating IEC**

| Fuse characteristic | No. of Fuses | Current (A) |
|---------------------|--------------|-------------|
| gG                  | 1            | 250         |

### UL60947-4-1, UL508

**Rated insulation voltage Ui**

| Voltage (V) | AC / DC |
|-------------|---------|
| 600         | AC      |

**Rated thermal current**

| Current (A) | Ambient temperature (°C) | Additional Text |
|-------------|--------------------------|-----------------|
| 250         | 0 - 40                   | --              |

**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

**Rated insulation voltage Ui**

| Voltage (V) | AC / DC |
|-------------|---------|
| 600         | AC      |

| Rated thermal current |                          |                 |  |
|-----------------------|--------------------------|-----------------|--|
| Current (A)           | Ambient temperature (°C) | Additional Text |  |
| 250                   | 0 - 40                   | -               |  |

### GENERAL TECHNICAL INFORMATION

| Tightening torque of screws |                           |
|-----------------------------|---------------------------|
| tightening torque (Nm)      | tightening torque (lb-in) |
| 16                          | 140                       |

| Rated short-time withstand current Icw |             |
|--|-------------|
| Time (s)                               | Current (A) |
| 1                                      | 4600        |


| Size of conductor            |                   |                               |   |                      |
|------------------------------|-------------------|-------------------------------|---|----------------------|
| composition of conductor     | Min. / Max. value | No. of conductor per terminal | Cross section (mm <sup>2</sup> ) or (AWG/kcmil) | Material of the wire |
| flexible wire                | Max.              | 1                             | MCM 300   | Copper               |
| flexible wire                | Max.              | 1                             | 150mm <sup>2</sup>                              | Copper               |
| Single-core or stranded wire | Max.              | 1                             | 185mm <sup>2</sup>                              | Copper               |
| Single-core or stranded wire | Max.              | 1                             | MCM 350   | Copper               |
| flexible wire with sleeve    | Max.              | 1                             | 120mm <sup>2</sup>                              | Copper               |

| Approbations  |         |
|---------------|---------|
| Specification | Marking |

|            |   |
|------------|---|
| EAC        |  |
| CE marking |  |

|   |                                   |
|---|-----------------------------------|
| UK Directives                             |                                   |
| IEC 60947-3; EN 60947-3; VDE 0660 Teil107 | <b>IEC 60947-3<br/>EN 60947-3</b> |

|                                       |   |
|---------------------------------------|---|
| UL 60947-4-1; CSA C22.2 No. 60947-4-1 |  |
|---------------------------------------|---|

|                  |   |
|------------------|---|
| CSA C.22.2 No.14 |  |
|------------------|---|

|             |   |
|-------------|---|
| GB/T14048.3 |  |
|-------------|---|

| Power loss per pole |  |
|---------------------|--|
| Power (W)           |  |
| 8                   |  |

| Conditions during transport and storing |                          |  |
|---|--------------------------|--|
| Minimum temperature (°C)                | Maximum temperature (°C) | additional requirements                                      |
| -40                                     | 85                       | In case of temperatures below -5°C no shock load permissible |

| General Information |  |
|---------------------|--|
| Text                |  |

- The wiring aid has to be removed before voltage is applied!
- 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.

| Operating temperature |                       |  |
|-----------------------|-----------------------|--|
| Min. Temperature [°C] | Max. Temperature [°C] |  |
| -5                    | 55                    |  |

## ring type terminal dimensions

|       |          |
|-------|----------|
| A(mm) | 25,00 mm |
| A(mm) | 34,00 mm |