



Sample image

## Datasheet

**Article number:** 70010984

**Description:** Other Component

|                                                                                                                                                                                                                                        |             |                                   |                                              |                                                                                              |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                                                                                              |             |                                   |                                              |                                                                                              |                           |
| Номинальное напряжение изоляции Ui                                                                                                                                                                                                     |             |                                   |                                              |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | Напряжение (В) Переменный ток/Постоянный ток |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | 690 AC                                       |                                                                                              |                           |
| Номинальный длительный ток Iu/Ith                                                                                                                                                                                                      |             |                                   |                                              |                                                                                              |                           |
| Сила тока (А)                                                                                                                                                                                                                          |             | Температура окружающей среды (°C) | Пиковое значение температуры (°C)            | Дополнительные требования                                                                    |                           |
| 80                                                                                                                                                                                                                                     |             | 50                                | 55                                           | Средняя температура окружающей среды +50°C в течение 24 часов с максимальным значением +55°C |                           |
| Номинальный рабочий ток Ie                                                                                                                                                                                                             |             |                                   |                                              |                                                                                              |                           |
| Категория применения                                                                                                                                                                                                                   |             |                                   | Напряжение (диапазон) (В)                    |                                                                                              | Сила тока (А)             |
| AC-32A                                                                                                                                                                                                                                 |             |                                   | 20 - 400                                     |                                                                                              | 80                        |
| Номинальная рабочая мощность                                                                                                                                                                                                           |             |                                   |                                              |                                                                                              |                           |
| Категория применения                                                                                                                                                                                                                   |             | Напряжение (диапазон) (В)         |                                              | Количество фаз                                                                               | Количество полюсов        |
| AC-3                                                                                                                                                                                                                                   |             | 220 - 240                         |                                              | 3                                                                                            | 3                         |
| AC-3                                                                                                                                                                                                                                   |             | 380 - 440                         |                                              | 3                                                                                            | 3                         |
| AC-3                                                                                                                                                                                                                                   |             | 660 - 690                         |                                              | 3                                                                                            | 3                         |
| AC-23A                                                                                                                                                                                                                                 |             | 220 - 240                         |                                              | 3                                                                                            | 3                         |
| AC-23A                                                                                                                                                                                                                                 |             | 380 - 440                         |                                              | 3                                                                                            | 3                         |
| AC-23A                                                                                                                                                                                                                                 |             | 660 - 690                         |                                              | 3                                                                                            | 3                         |
| Максимальный номинал предохранителя по IEC                                                                                                                                                                                             |             |                                   |                                              |                                                                                              |                           |
| Характеристика предохранителя                                                                                                                                                                                                          |             |                                   | Количество предохранителей                   |                                                                                              | Сила тока (А)             |
| gG                                                                                                                                                                                                                                     |             |                                   | 1                                            |                                                                                              | 80                        |
| UL60947-4-1 , UL508                                                                                                                                                                                                                    |             |                                   |                                              |                                                                                              |                           |
| Nominal Voltage                                                                                                                                                                                                                        |             |                                   |                                              |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | Voltage (V) AC / DC                          |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | 600 AC                                       |                                                                                              |                           |
| Номинальное напряжение изоляции Ui                                                                                                                                                                                                     |             |                                   |                                              |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | Напряжение (В) Переменный ток/Постоянный ток |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | 600 AC                                       |                                                                                              |                           |
| Rated thermal current                                                                                                                                                                                                                  |             |                                   |                                              |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             | Current (A)                       | Ambient temperature (°C)                     |                                                                                              | Additional Text           |
|                                                                                                                                                                                                                                        |             | 80                                | 0 - 40                                       |                                                                                              | --                        |
| Horsepower rating                                                                                                                                                                                                                      |             |                                   |                                              |                                                                                              |                           |
| Across-the-Line Motor Starting                                                                                                                                                                                                         |             |                                   | Voltage (V)                                  | No. of phases                                                                                | No. of poles              |
| DOL                                                                                                                                                                                                                                    |             |                                   | 110 - 120                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 220 - 240                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 277 - 277                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 415 - 415                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 440 - 480                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 550 - 600                                    | 1                                                                                            | 2                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 110 - 120                                    | 3                                                                                            | 3                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 220 - 240                                    | 3                                                                                            | 3                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 415 - 415                                    | 3                                                                                            | 3                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 440 - 480                                    | 3                                                                                            | 3                         |
| DOL                                                                                                                                                                                                                                    |             |                                   | 550 - 600                                    | 3                                                                                            | 3                         |
| SCCR / Max. fuse rating                                                                                                                                                                                                                |             |                                   |                                              |                                                                                              |                           |
| Conditions of acceptability                                                                                                                                                                                                            |             |                                   |                                              |                                                                                              |                           |
| These devices are suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses or Circuit Breaker Type SFHA36AT0250, manufactured by General Electric. |             |                                   |                                              |                                                                                              |                           |
| Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by Class J fuses, 100A max.                                                                                  |             |                                   |                                              |                                                                                              |                           |
| Temp. rating of wire                                                                                                                                                                                                                   |             |                                   |                                              |                                                                                              |                           |
|                                                                                                                                                                                                                                        |             |                                   | Temperature rating (°C)                      |                                                                                              | Current (A) Text          |
|                                                                                                                                                                                                                                        |             |                                   | 75                                           |                                                                                              | --                        |
| Connecting instructions                                                                                                                                                                                                                |             |                                   |                                              |                                                                                              |                           |
| Markings                                                                                                                                                                                                                               |             |                                   |                                              |                                                                                              |                           |
| Break all lines.                                                                                                                                                                                                                       |             |                                   |                                              |                                                                                              |                           |
| General Use                                                                                                                                                                                                                            |             |                                   |                                              |                                                                                              |                           |
| AC / DC                                                                                                                                                                                                                                | Voltage (V) | Current (A)                       | No. of phases                                | No. of poles                                                                                 | No. of contacts in series |
| AC                                                                                                                                                                                                                                     | 277         | 80                                | 1                                            | 1                                                                                            | 1                         |

| General Use                                                                                                                                                                                                                                                                                            |                   |                               |                                    |                                                                                       |                           |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|------------------------------------|---------------------------------------------------------------------------------------|---------------------------|--------------------------|
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V)       | Current (A)                   | No. of phases                      | No. of poles                                                                          | No. of contacts in series |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 80                            | 1                                  | 2                                                                                     | 1                         |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 80                            | 3                                  | 3                                                                                     | 1                         |                          |
| Общая информация                                                                                                                                                                                                                                                                                       |                   |                               |                                    |                                                                                       |                           |                          |
| Текст                                                                                                                                                                                                                                                                                                  |                   |                               |                                    |                                                                                       |                           |                          |
| - 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                                                                                                                                                                                                                                                                                                 |                   |                               |                                    |                                                                                       |                           |                          |
| Номинальное напряжение изоляции Ui                                                                                                                                                                                                                                                                     |                   |                               |                                    |                                                                                       |                           |                          |
| Напряжение (В) Переменный ток/Постоянный ток                                                                                                                                                                                                                                                           |                   |                               |                                    |                                                                                       |                           |                          |
| 600 AC                                                                                                                                                                                                                                                                                                 |                   |                               |                                    |                                                                                       |                           |                          |
| Rated thermal current                                                                                                                                                                                                                                                                                  |                   |                               |                                    |                                                                                       |                           |                          |
| Current (A)                                                                                                                                                                                                                                                                                            |                   | Ambient temperature (°C)      |                                    | Additional Text                                                                       |                           |                          |
| 80                                                                                                                                                                                                                                                                                                     |                   | 0 - 40                        |                                    | --                                                                                    |                           |                          |
| Horsepower rating                                                                                                                                                                                                                                                                                      |                   |                               |                                    |                                                                                       |                           |                          |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |                   |                               |                                    | Voltage (V)                                                                           | No. of phases             | Ambient temperature [°C] |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 110 - 120                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 220 - 240                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 277 - 277                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 415 - 415                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 440 - 480                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 550 - 600                                                                             | 1                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 110 - 120                                                                             | 3                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 220 - 240                                                                             | 3                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 415 - 415                                                                             | 3                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 440 - 480                                                                             | 3                         | 40                       |
| DOL                                                                                                                                                                                                                                                                                                    |                   |                               |                                    | 550 - 600                                                                             | 3                         | 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               | 80                            | 1                                  | 1                                                                                     | 1                         |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 80                            | 1                                  | 2                                                                                     | 1                         |                          |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 80                            | 3                                  | 3                                                                                     | 1                         |                          |
| ОСНОВНАЯ ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ                                                                                                                                                                                                                                                                        |                   |                               |                                    |                                                                                       |                           |                          |
| Момент затяжки винтов                                                                                                                                                                                                                                                                                  |                   |                               |                                    |                                                                                       |                           |                          |
| Момент затяжки (Нм)                                                                                                                                                                                                                                                                                    |                   |                               |                                    | Момент затяжки (фунт-дюйм)                                                            |                           |                          |
| 3                                                                                                                                                                                                                                                                                                      |                   |                               |                                    | 27                                                                                    |                           |                          |
| Stripping length                                                                                                                                                                                                                                                                                       |                   |                               |                                    |                                                                                       |                           |                          |
| Length (mm) --                                                                                                                                                                                                                                                                                         |                   |                               |                                    |                                                                                       |                           |                          |
| 14 STRIPPINGLENGTH                                                                                                                                                                                                                                                                                     |                   |                               |                                    |                                                                                       |                           |                          |
| 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                             | 2,5mm²                             |                                                                                       | Copper                    |                          |
| flexible wire                                                                                                                                                                                                                                                                                          | Min.              | 1                             | 4mm²                               |                                                                                       | Copper                    |                          |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             | 35mm²                              |                                                                                       | Copper                    |                          |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              | 1                             | AWG 2                              |                                                                                       | Copper                    |                          |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             | AWG 1/0                            |                                                                                       | Copper                    |                          |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              | 1                             | 50mm²                              |                                                                                       | Copper                    |                          |
| flexible wire with sleeve                                                                                                                                                                                                                                                                              | Max.              | 1                             | 35mm²                              |                                                                                       | Copper                    |                          |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      | Min.              | 1                             | 2,5mm²                             |                                                                                       | Copper                    |                          |
| Approbations                                                                                                                                                                                                                                                                                           |                   |                               |                                    |                                                                                       |                           |                          |
| Specification                                                                                                                                                                                                                                                                                          |                   |                               |                                    | Marking                                                                               |                           |                          |
| EAC                                                                                                                                                                                                                                                                                                    |                   |                               |                                    |  |                           |                          |
| CE marking                                                                                                                                                                                                                                                                                             |                   |                               |                                    |  |                           |                          |
| UK Directives                                                                                                                                                                                                                                                                                          |                   |                               |                                    |  |                           |                          |
| CSA C.22.2 No.14                                                                                                                                                                                                                                                                                       |                   |                               |                                    |  |                           |                          |
| GB/T14048.3                                                                                                                                                                                                                                                                                            |                   |                               |                                    |  |                           |                          |
| Рекомендуемая отвертка                                                                                                                                                                                                                                                                                 |                   |                               |                                    |                                                                                       |                           |                          |
| Тип отвертки                                                                                                                                                                                                                                                                                           |                   |                               | Value                              |                                                                                       |                           |                          |
| Крестовая отвёртка                                                                                                                                                                                                                                                                                     |                   |                               | PH2                                |                                                                                       |                           |                          |
| Slot screwdriver according to DIN 5264                                                                                                                                                                                                                                                                 |                   |                               | 1,2x6,5                            |                                                                                       |                           |                          |
| Общая информация                                                                                                                                                                                                                                                                                       |                   |                               |                                    |                                                                                       |                           |                          |
| Текст                                                                                                                                                                                                                                                                                                  |                   |                               |                                    |                                                                                       |                           |                          |
| - Примечание по электромагнитной совместимости: это устройство подходит для использования в среде А и В.                                                                                                                                                                                               |                   |                               |                                    |                                                                                       |                           |                          |

## Общая информация

### Текст

- Не смазывайте и не разбирайте контакты.
- Переключатели могут быть установлены, подключены и введены в эксплуатацию только квалифицированным персоналом в соответствии с принятыми техническими правилами.
- Используйте только медные провода. Не покрывать конец провода оловом.
- Клеммы с заводскими перемычками затянуты в процессе производства. Во время откручивания скреплённых перемычками клемм проследите, что бы перемычки не потерялись. После подключения все винты клемм должны быть затянуты с рекомендуемым моментом затяжки винта.

### 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

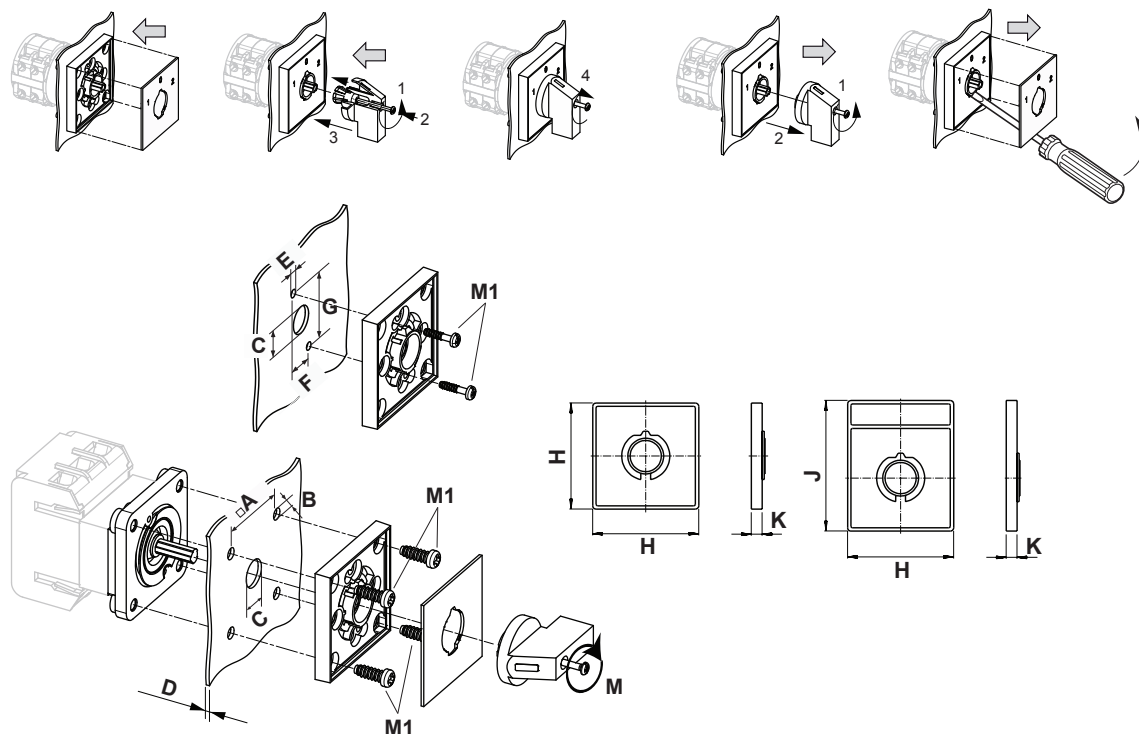
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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 - Код лицевая сторона | 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                        | ∅ 4,50 mm          |
| F                        | H 14,00 mm         |
| G                        | H 37,00 mm         |
| H                        | H 64,00 mm         |
| J                        | H 78,50 mm         |
| K                        | H 7,40 mm          |
| M                        | ⌀ 0,70 Nm          |
| M1                       | ⌀ 0,90 Nm          |



Wiring diagram

KG80.T303.E



## Switch program

KG80.T303.E



Kraus & Naimer

KG80
T303
Page 1 of 1

| Face Plate                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---|----|----|----|----|
|                                                                                                                                                                                                                                                                                                                                                                    |     | L1                                                                                 | L2                                                                                 | L3                                                                                 |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     | 1                                                                                  | 3                                                                                  | 5                                                                                  | 7 | 9  | 11 | 13 | 15 |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
| 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 |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0   |  |  |  |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 90  |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 180 |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                    |                                                                                    |                                                                                    |   |    |    |    |    |

Version: 102

## Face plate

S1.F456/A10.V45H



## PADLOCK DEVICE

**Designation:** S1.V845/A11/A12

**Face plate and handle unit:** "A" face plate/alu, frame/black, handle/black, locking push rod/red

**Locking position:** "1" at 09:00/03:00 - knockouts every 45°

**Angular displacement:** "1" 1 x 90°

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

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

**Type of version:** "1" for same switch size

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

