

Sample image

## Datasheet

**Article number:** 70023201

**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                                                                    |                         |                           |                                     |
| 20                                                                                                                                                            | 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-15                                                                                                                                                         |                                   |                                   | 220 - 240                                                                                    |                         | 6                         |                                     |
| AC-15                                                                                                                                                         |                                   |                                   | 380 - 440                                                                                    |                         | 4                         |                                     |
| Номинальная рабочая мощность                                                                                                                                  |                                   |                                   |                                                                                              |                         |                           |                                     |
| Категория применения                                                                                                                                          | Напряжение (диапазон) (В)         |                                   | Количество фаз                                                                               | Количество полюсов      | Мощность (кВт)            |                                     |
| AC-3                                                                                                                                                          | 220 - 240                         |                                   | 3                                                                                            | 3                       | 2,20                      |                                     |
| AC-3                                                                                                                                                          | 380 - 440                         |                                   | 3                                                                                            | 3                       | 3,70                      |                                     |
| AC-3                                                                                                                                                          | 660 - 690                         |                                   | 3                                                                                            | 3                       | 3,70                      |                                     |
| AC-3                                                                                                                                                          | 220 - 240                         |                                   | 1                                                                                            | 2                       | 1,10                      |                                     |
| AC-3                                                                                                                                                          | 380 - 440                         |                                   | 1                                                                                            | 2                       | 1,50                      |                                     |
| AC-23A                                                                                                                                                        | 220 - 240                         |                                   | 3                                                                                            | 3                       | 3                         |                                     |
| AC-23A                                                                                                                                                        | 380 - 440                         |                                   | 3                                                                                            | 3                       | 5,50                      |                                     |
| AC-23A                                                                                                                                                        | 660 - 690                         |                                   | 3                                                                                            | 3                       | 5,50                      |                                     |
| AC-23A                                                                                                                                                        | 220 - 240                         |                                   | 1                                                                                            | 2                       | 1,50                      |                                     |
| AC-23A                                                                                                                                                        | 380 - 440                         |                                   | 1                                                                                            | 2                       | 2,20                      |                                     |
| Максимальный номинал предохранителя по IEC                                                                                                                    |                                   |                                   |                                                                                              |                         |                           |                                     |
| Характеристика предохранителя                                                                                                                                 |                                   |                                   | Количество предохранителей                                                                   |                         | Сила тока (А)             |                                     |
| gG                                                                                                                                                            |                                   |                                   | 1                                                                                            |                         | 20                        |                                     |
| UL60947-4-1 , UL508                                                                                                                                           |                                   |                                   |                                                                                              |                         |                           |                                     |
| Nominal Voltage                                                                                                                                               |                                   |                                   |                                                                                              |                         |                           |                                     |
| Voltage (V) AC / DC                                                                                                                                           |                                   |                                   |                                                                                              |                         |                           |                                     |
| 300 AC                                                                                                                                                        |                                   |                                   |                                                                                              |                         |                           |                                     |
| Номинальное напряжение изоляции Ui                                                                                                                            |                                   |                                   |                                                                                              |                         |                           |                                     |
| Напряжение (В) Переменный ток/Постоянный ток                                                                                                                  |                                   |                                   |                                                                                              |                         |                           |                                     |
| 300 AC                                                                                                                                                        |                                   |                                   |                                                                                              |                         |                           |                                     |
| Rated thermal current                                                                                                                                         |                                   |                                   |                                                                                              |                         |                           |                                     |
| Current (A)                                                                                                                                                   |                                   | Ambient temperature (°C)          |                                                                                              | Additional Text         |                           |                                     |
| 20                                                                                                                                                            |                                   | 0 - 40                            |                                                                                              | --                      |                           |                                     |
| Horsepower rating                                                                                                                                             |                                   |                                   |                                                                                              |                         |                           |                                     |
| Across-the-Line Motor Starting                                                                                                                                |                                   |                                   | Voltage (V)                                                                                  | No. of phases           | No. of poles              | Power (HP) Ambient temperature [°C] |
| DOL                                                                                                                                                           |                                   |                                   | 110 - 220                                                                                    | 1                       | 2                         | 0,50 40                             |
| DOL                                                                                                                                                           |                                   |                                   | 220 - 240                                                                                    | 1                       | 2                         | 1 40                                |
| DOL                                                                                                                                                           |                                   |                                   | 277 - 277                                                                                    | 1                       | 2                         | 1 40                                |
| DOL                                                                                                                                                           |                                   |                                   | 110 - 120                                                                                    | 3                       | 3                         | 1 40                                |
| DOL                                                                                                                                                           |                                   |                                   | 220 - 240                                                                                    | 3                       | 3                         | 2 40                                |
| Pilot duty rating code                                                                                                                                        |                                   |                                   |                                                                                              |                         |                           |                                     |
| Duty Code                                                                                                                                                     |                                   |                                   |                                                                                              |                         |                           |                                     |
| A300                                                                                                                                                          |                                   |                                   |                                                                                              |                         |                           |                                     |
| SCCR / Max. fuse rating                                                                                                                                       |                                   |                                   |                                                                                              |                         |                           |                                     |
| Conditions of acceptability                                                                                                                                   |                                   |                                   |                                                                                              |                         |                           |                                     |
| These devices are suitable for use on circuits capable of delivering not more than 5kA rms symmetrical amperes, 300V ac max. when protected by Class J fuses. |                                   |                                   |                                                                                              |                         |                           |                                     |
| Temp. rating of wire                                                                                                                                          |                                   |                                   |                                                                                              |                         |                           |                                     |
| Temperature rating (°C)                                                                                                                                       |                                   | Current (A)                       |                                                                                              | Text                    |                           |                                     |
| 60 - 75                                                                                                                                                       |                                   |                                   |                                                                                              | -- Use copper wire only |                           |                                     |
| Connecting instructions                                                                                                                                       |                                   |                                   |                                                                                              |                         |                           |                                     |
| Markings                                                                                                                                                      |                                   |                                   |                                                                                              |                         |                           |                                     |
| Break all lines.                                                                                                                                              |                                   |                                   |                                                                                              |                         |                           |                                     |
| For use on a flat surface of a type 1 enclosure.                                                                                                              |                                   |                                   |                                                                                              |                         |                           |                                     |
| General Use                                                                                                                                                   |                                   |                                   |                                                                                              |                         |                           |                                     |
| AC / DC                                                                                                                                                       | Voltage (V)                       | Current (A)                       | No. of phases                                                                                | No. of poles            | No. of contacts in series |                                     |
| AC                                                                                                                                                            | 277                               | 20                                | 1                                                                                            | 1                       | 1                         |                                     |

| General Use                                                                                                                                                                                                                                                                                            |             |                   |                                              |                                    |                            |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|----------------------------------------------|------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V) | Current (A)       | No. of phases                                | No. of poles                       | No. of contacts in series  |                                                                                       |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20                | 1                                            | 2                                  | 1                          |                                                                                       |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20                | 1                                            | 2                                  | 1                          |                                                                                       |
| AC                                                                                                                                                                                                                                                                                                     | 300         | 20                | 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                          |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | 300 AC                                       |                                    |                            |                                                                                       |
| Номинальное напряжение изоляции Ui                                                                                                                                                                                                                                                                     |             |                   |                                              |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | Напряжение (В) Переменный ток/Постоянный ток |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | 300 AC                                       |                                    |                            |                                                                                       |
| Rated thermal current                                                                                                                                                                                                                                                                                  |             |                   |                                              |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             | Current (A)       | Ambient temperature (°C)                     |                                    | Additional Text            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             | 20                | 0 - 40                                       |                                    | --                         |                                                                                       |
| Horsepower rating                                                                                                                                                                                                                                                                                      |             |                   |                                              |                                    |                            |                                                                                       |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |             |                   | Voltage (V)                                  | No. of phases                      | No. of poles               | Power (HP)                                                                            |
| DOL                                                                                                                                                                                                                                                                                                    |             |                   | 110 - 220                                    | 1                                  | 2                          | 0,50                                                                                  |
| DOL                                                                                                                                                                                                                                                                                                    |             |                   | 220 - 240                                    | 1                                  | 2                          | 1                                                                                     |
| DOL                                                                                                                                                                                                                                                                                                    |             |                   | 277 - 277                                    | 1                                  | 2                          | 1                                                                                     |
| DOL                                                                                                                                                                                                                                                                                                    |             |                   | 110 - 120                                    | 3                                  | 3                          | 1                                                                                     |
| DOL                                                                                                                                                                                                                                                                                                    |             |                   | 220 - 240                                    | 3                                  | 3                          | 2                                                                                     |
| Pilot duty rating code                                                                                                                                                                                                                                                                                 |             |                   |                                              |                                    |                            |                                                                                       |
| Duty Code                                                                                                                                                                                                                                                                                              |             |                   |                                              |                                    |                            |                                                                                       |
| A300                                                                                                                                                                                                                                                                                                   |             |                   |                                              |                                    |                            |                                                                                       |
| 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         | 20                | 1                                            | 1                                  | 1                          |                                                                                       |
| AC                                                                                                                                                                                                                                                                                                     | 277         | 20                | 3                                            | 3                                  | 1                          |                                                                                       |
| ОСНОВНАЯ ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ                                                                                                                                                                                                                                                                        |             |                   |                                              |                                    |                            |                                                                                       |
| Момент затяжки винтов                                                                                                                                                                                                                                                                                  |             |                   |                                              |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | Момент затяжки (Нм)                          |                                    | Момент затяжки (фунт-дюйм) |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | 0,60                                         |                                    | 5                          |                                                                                       |
| Stripping length                                                                                                                                                                                                                                                                                       |             |                   |                                              |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | Length (mm) --                               |                                    |                            |                                                                                       |
|                                                                                                                                                                                                                                                                                                        |             |                   | 8 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                                            | 0,5mm²                             |                            | Copper                                                                                |
| solid wire                                                                                                                                                                                                                                                                                             |             | Min.              | 2                                            | 0,5mm²                             |                            | Copper                                                                                |
| flexible wire                                                                                                                                                                                                                                                                                          |             | Min.              | 1                                            | 0,75mm²                            |                            | Copper                                                                                |
| flexible wire                                                                                                                                                                                                                                                                                          |             | Min.              | 2                                            | 0,75mm²                            |                            | Copper                                                                                |
| flexible wire                                                                                                                                                                                                                                                                                          |             | Max.              | 1                                            | AWG 12                             |                            | Copper                                                                                |
| flexible wire                                                                                                                                                                                                                                                                                          |             | Max.              | 1                                            | 2,5mm²                             |                            | Copper                                                                                |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           |             | Max.              | 1                                            | AWG 12                             |                            | Copper                                                                                |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           |             | Max.              | 1                                            | 2,5mm²                             |                            | Copper                                                                                |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      |             | Max.              | 1                                            | 2,5mm²                             |                            | Copper                                                                                |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      |             | Min.              | 1                                            | 0,5mm²                             |                            | Copper                                                                                |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      |             | Min.              | 2                                            | 0,5mm²                             |                            | 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                                                                                                                                                                                                                                                                                     |             |                   | PH1                                          |                                    |                            |                                                                                       |
| Slot screwdriver according to DIN 5264                                                                                                                                                                                                                                                                 |             |                   | 0,8x4                                        |                                    |                            |                                                                                       |
| Общая информация                                                                                                                                                                                                                                                                                       |             |                   |                                              |                                    |                            |                                                                                       |
| Текст                                                                                                                                                                                                                                                                                                  |             |                   |                                              |                                    |                            |                                                                                       |
| - Не смазывайте и не разбирайте контакты.                                                                                                                                                                                                                                                              |             |                   |                                              |                                    |                            |                                                                                       |

## Общая информация

### Текст

- 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.
- После установки переключателей расстояния между клеммами должны быть достаточными для выполнения требований применимых стандартов.

### Waste Electrical & Electronic Equipment (WEEE)

#### Picture name

#### Description



Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at [www.krausnaimer.com](http://www.krausnaimer.com)

### Proposition 65

#### Picture name

#### Description



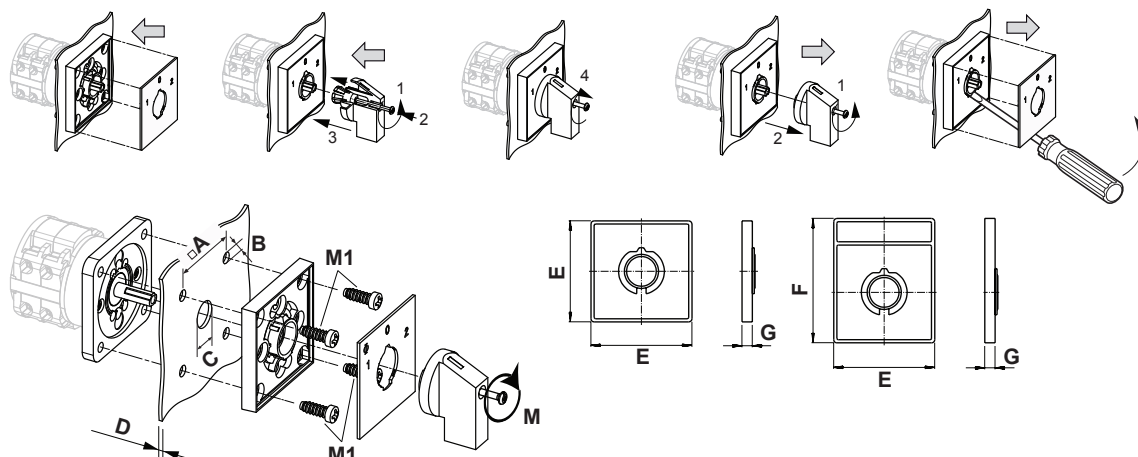
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

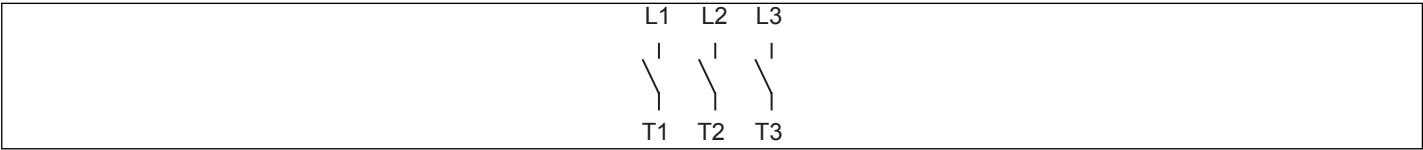
## Mounting-E



|                          |   |                  |
|--------------------------|---|------------------|
| IP - Код лицевая сторона |   | IP66, IP67       |
| Stages                   |   | 1,00 - 12,00     |
| A                        | □ | 36,00 mm         |
| B                        | ∅ | 5,00 mm          |
| C                        | ∅ | 11,00 - 15,00 mm |
| D                        | H | <= 4,00 mm       |
| E                        | ∅ | 48,00 mm         |
| F                        | H | 59,00 mm         |
| G                        | H | 6,30 mm          |
| M                        | ⌀ | 0,50 Nm          |
| M1                       | ⌀ | 0,90 Nm          |

Wiring diagram

KG10A.T303.E



## Switch program

KG10A.T303.E



Kraus & Naimer

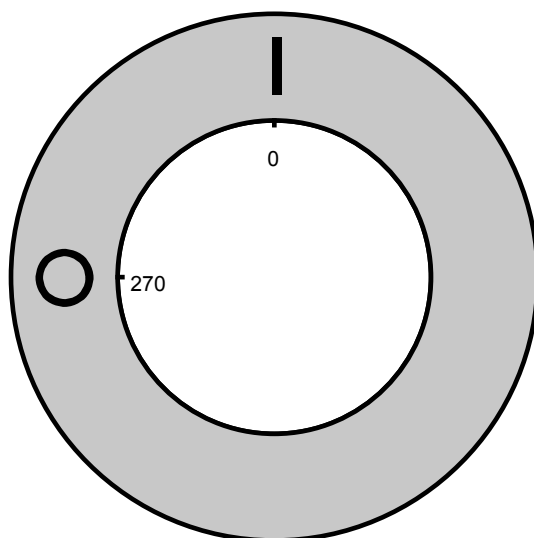
**KG10A**    **T303E**    **Page 1 of 1**

| Face Plate                                                                                               |     |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|----------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------|----|---|----|----|----|----|----|----|----|----|----|--|
|                         |     | T3                                                                                                               | T1 |   | T2 |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 1                                                                                                                | 3  | 5 | 7  | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 23 |  |
|                                                                                                          |     | Marking plate: S0D H043 51A<br> |    |   |    |    |    |    |    |    |    |    |    |  |
| Switching Angle <input type="text" value="90"/><br>Total switching Angle <input type="text" value="90"/> |     | 2                                                                                                                | 4  | 6 | 8  | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |  |
|                                                                                                          |     | L3                                                                                                               | L1 |   | L2 |    |    |    |    |    |    |    |    |  |
| 0                                                                                                        | 270 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 285 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 300 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 315 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 330 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 345 |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          | 1   | 0                                                                                                                |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 15                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 30                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 45                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 60                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 75                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 90                                                                                                               |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 105                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 120                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 135                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 150                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 165                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 180                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
|                                                                                                          |     | 195                                                                                                              |    |   |    |    |    |    |    |    |    |    |    |  |
| 210                                                                                                      |     |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
| 225                                                                                                      |     |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
| 240                                                                                                      |     |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |
| 255                                                                                                      |     |                                                                                                                  |    |   |    |    |    |    |    |    |    |    |    |  |

Version: 2

## Face plate

S0.F456/C10.V11





Sample image

## PADLOCK DEVICE with F-handle ring for type of mounting E, EF, E22, FT, VE, GK, PN, PF, KS (S00)

**Designation:** S0.V840D/D6

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

**Colour of face ring:** "6" yellow

