

Sample image

## Datasheet

Article number: 70009858

Description: Other Component

|                                                                                                                                                               |           |                                       |    |            |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------|----|------------|---------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                     |           |                                       |    |            |                           |
| 定格絶縁電圧 Ui                                                                                                                                                     |           |                                       |    |            |                           |
| 電圧 (V) AC / DC                                                                                                                                                |           |                                       |    |            |                           |
| 690 AC                                                                                                                                                        |           |                                       |    |            |                           |
| 定格連続通電電流 Iu/Ith                                                                                                                                               |           |                                       |    |            |                           |
| Current (A)                                                                                                                                                   | 周囲温度 (°C) | ピーク温度 (°C) 追加要求事項                     |    |            |                           |
| 20                                                                                                                                                            | 50        | 55 周囲温度 +50°C、24 時間、ただし 瞬時ピーク温度 +55°C |    |            |                           |
| 定格操作電流 Ie                                                                                                                                                     |           |                                       |    |            |                           |
| 負荷種別                                                                                                                                                          | 電圧 (V)    |                                       |    |            | Current (A)               |
| AC-15                                                                                                                                                         | 220 - 240 |                                       |    |            | 6                         |
| AC-15                                                                                                                                                         | 380 - 440 |                                       |    |            | 4                         |
| 定格操作電力                                                                                                                                                        |           |                                       |    |            |                           |
| 負荷種別                                                                                                                                                          | 電圧 (V)    | 相数                                    | 極数 | 電力 (kW)    |                           |
| 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       |                           |
| 最大ヒューズ定格 IEC                                                                                                                                                  |           |                                       |    |            |                           |
| ヒューズ特性                                                                                                                                                        | ヒューズ数     |                                       |    |            | Current (A)               |
| gG                                                                                                                                                            | 1         |                                       |    |            | 20                        |
| UL60947-4-1, UL508                                                                                                                                            |           |                                       |    |            |                           |
| Nominal Voltage                                                                                                                                               |           |                                       |    |            |                           |
| 電圧 (V) AC / DC                                                                                                                                                |           |                                       |    |            |                           |
| 300 AC                                                                                                                                                        |           |                                       |    |            |                           |
| 定格絶縁電圧 Ui                                                                                                                                                     |           |                                       |    |            |                           |
| 電圧 (V) AC / DC                                                                                                                                                |           |                                       |    |            |                           |
| 300 AC                                                                                                                                                        |           |                                       |    |            |                           |
| 定格熱電流                                                                                                                                                         |           |                                       |    |            |                           |
| Current (A)                                                                                                                                                   |           | 周囲温度 (°C) 備考                          |    |            |                           |
| 20                                                                                                                                                            |           | 0 - 40 --                             |    |            |                           |
| 20                                                                                                                                                            |           | 0 - 40 --                             |    |            |                           |
| Horsepower rating                                                                                                                                             |           |                                       |    |            |                           |
| Across-the-Line Motor Starting                                                                                                                                | 電圧 (V)    | 相数                                    | 極数 | 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                                                                                                                                                       | 電圧 (V)    | Current (A)                           | 相数 | 極数         | No. of contacts in series |
| AC                                                                                                                                                            | 277       | 20                                    | 1  | 1          | 1                         |

| General Use                                                                                           |           |             |                                                                                     |                                       |                           |            |
|-------------------------------------------------------------------------------------------------------|-----------|-------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------|------------|
| AC / DC                                                                                               | 電圧 (V)    | Current (A) | 相数                                                                                  | 極数                                    | No. of contacts in series |            |
| AC                                                                                                    | 300       | 20          | 1                                                                                   | 2                                     | 1                         |            |
| AC                                                                                                    | 300       | 20          | 3                                                                                   | 3                                     | 1                         |            |
| 注意事項                                                                                                  |           |             |                                                                                     |                                       |                           |            |
| 備考                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| - 手動モータ制御装置に使用する操作ハンドル及び位置指示手段は、製造業者から提供されるか、又は使用する操作ハンドル及び位置指示手段は、あらかじめ手動モータ制御装置と組み合わせて評価されている必要がある。 |           |             |                                                                                     |                                       |                           |            |
| - モータ断路器として使用する場合は、装置にはOFF位置でロックする方法を設けなければならない。                                                      |           |             |                                                                                     |                                       |                           |            |
| CSA                                                                                                   |           |             |                                                                                     |                                       |                           |            |
| Nominal Voltage                                                                                       |           |             |                                                                                     |                                       |                           |            |
|                                                                                                       |           |             | 電圧 (V) AC / DC                                                                      |                                       |                           |            |
|                                                                                                       |           |             | 300 AC                                                                              |                                       |                           |            |
| 定格絶縁電圧 Ui                                                                                             |           |             |                                                                                     |                                       |                           |            |
|                                                                                                       |           |             | 電圧 (V) AC / DC                                                                      |                                       |                           |            |
|                                                                                                       |           |             | 300 AC                                                                              |                                       |                           |            |
| 定格熱電流                                                                                                 |           |             |                                                                                     |                                       |                           |            |
|                                                                                                       |           | Current (A) | 周囲温度 (°C)                                                                           |                                       | 備考                        |            |
|                                                                                                       |           | 20          | 0 - 40                                                                              |                                       | --                        |            |
|                                                                                                       |           | 20          | 0 - 40                                                                              |                                       | --                        |            |
| Horsepower rating                                                                                     |           |             |                                                                                     |                                       |                           |            |
| Across-the-Line Motor Starting                                                                        |           |             | 電圧 (V)                                                                              | 相数                                    | 極数                        | 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          |
| Ambient temperature [°C]                                                                              |           |             |                                                                                     |                                       |                           |            |
| 40                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| 40                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| 40                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| 40                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| 40                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| Pilot duty rating code                                                                                |           |             |                                                                                     |                                       |                           |            |
| Duty Code                                                                                             |           |             |                                                                                     |                                       |                           |            |
| A300                                                                                                  |           |             |                                                                                     |                                       |                           |            |
| Temp. rating of wire                                                                                  |           |             |                                                                                     |                                       |                           |            |
| Temperature rating (°C)                                                                               |           |             | Current (A) Text                                                                    |                                       |                           |            |
| 75                                                                                                    |           |             | -- --                                                                               |                                       |                           |            |
| General Use                                                                                           |           |             |                                                                                     |                                       |                           |            |
| AC / DC                                                                                               | 電圧 (V)    | Current (A) | 相数                                                                                  | 極数                                    | No. of contacts in series |            |
| AC                                                                                                    | 277       | 20          | 1                                                                                   | 1                                     | 1                         |            |
| AC                                                                                                    | 277       | 20          | 3                                                                                   | 3                                     | 1                         |            |
| GENERAL TECHNICAL INFORMATION                                                                         |           |             |                                                                                     |                                       |                           |            |
| 電線サイズ                                                                                                 |           |             |                                                                                     |                                       |                           |            |
| 電線種別                                                                                                  | 最小値 / 最大値 |             | 1端子当たりの配線数                                                                          | 断面積 (mm <sup>2</sup> ) or (AWG/kcmil) |                           | 電線材料       |
| 単線                                                                                                    | 最小        |             | 1                                                                                   | 0.5mm <sup>2</sup>                    |                           | 銅          |
| 単線                                                                                                    | 最小        |             | 2                                                                                   | 0.5mm <sup>2</sup>                    |                           | 銅          |
| 細撚線                                                                                                   | 最小        |             | 1                                                                                   | 0.75mm <sup>2</sup>                   |                           | 銅          |
| 細撚線                                                                                                   | 最小        |             | 2                                                                                   | 0.75mm <sup>2</sup>                   |                           | 銅          |
| 細撚線                                                                                                   | 最大        |             | 1                                                                                   | AWG 12                                |                           | 銅          |
| 細撚線                                                                                                   | 最大        |             | 1                                                                                   | 2.5mm <sup>2</sup>                    |                           | 銅          |
| 単線または荒撚線                                                                                              | 最大        |             | 1                                                                                   | AWG 12                                |                           | 銅          |
| 単線または荒撚線                                                                                              | 最大        |             | 1                                                                                   | 2.5mm <sup>2</sup>                    |                           | 銅          |
| DIN46228規格フェール適用の細撚線                                                                                  | 最大        |             | 1                                                                                   | 2.5mm <sup>2</sup>                    |                           | 銅          |
| DIN46228規格フェール適用の細撚線                                                                                  | 最小        |             | 1                                                                                   | 0.5mm <sup>2</sup>                    |                           | 銅          |
| DIN46228規格フェール適用の細撚線                                                                                  | 最小        |             | 2                                                                                   | 0.5mm <sup>2</sup>                    |                           | 銅          |
| Stripping length                                                                                      |           |             |                                                                                     |                                       |                           |            |
|                                                                                                       |           |             | Length (mm) --                                                                      |                                       |                           |            |
|                                                                                                       |           |             |  |                                       |                           |            |
|                                                                                                       |           |             | 8                                                                                   |                                       |                           |            |
| Recommended screw driver                                                                              |           |             |                                                                                     |                                       |                           |            |
| Type of screw driver                                                                                  |           |             | Value                                                                               |                                       |                           |            |
| Cross Screwdriver                                                                                     |           |             | PH1                                                                                 |                                       |                           |            |
| Slot screwdriver according to DIN 5264                                                                |           |             | 0,8x4                                                                               |                                       |                           |            |
| 端子ネジ締付トルク                                                                                             |           |             |                                                                                     |                                       |                           |            |
|                                                                                                       |           |             | 締付トルク (Nm)                                                                          |                                       | 締付トルク (lb-in)             |            |
|                                                                                                       |           |             | 0,60                                                                                |                                       | 5                         |            |
| 認証                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| 仕様                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| EAC                                                                                                   |           |             |                                                                                     |                                       |                           |            |
| CEマーキング                                                                                               |           |             |                                                                                     |                                       |                           |            |
| UK Directives                                                                                         |           |             |                                                                                     |                                       |                           |            |
| CSA C.22.2 No.14                                                                                      |           |             |                                                                                     |                                       |                           |            |
| GB/T14048.3                                                                                           |           |             |                                                                                     |                                       |                           |            |
| 注意事項                                                                                                  |           |             |                                                                                     |                                       |                           |            |
| 備考                                                                                                    |           |             |                                                                                     |                                       |                           |            |
| - 接点に潤滑剤を塗布したり、表面処理をしたりしないでください。                                                                      |           |             |                                                                                     |                                       |                           |            |

## 注意事項

### 備考

- スイッチの取り付け、接続、操作の設定は、技術的に認められた規則に従って、有資格者のみが行うことができます。
- 銅線のみを使用してください。電線を半田付けしないでください。
- ジャンパー線(コモン線)に接続された端子ネジは工場出荷時には仮締め状態となっています。ジャンパー線(コモン線)に接続された端子ネジの締め付けを含む全ての端子ネジが、必ず適切なトルクで締められていることをご確認の上、ご使用ください。
- スイッチの設置後、端子間の間隔は、適用される規格の要件を満たすのに十分なものでなければなりません。

### 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

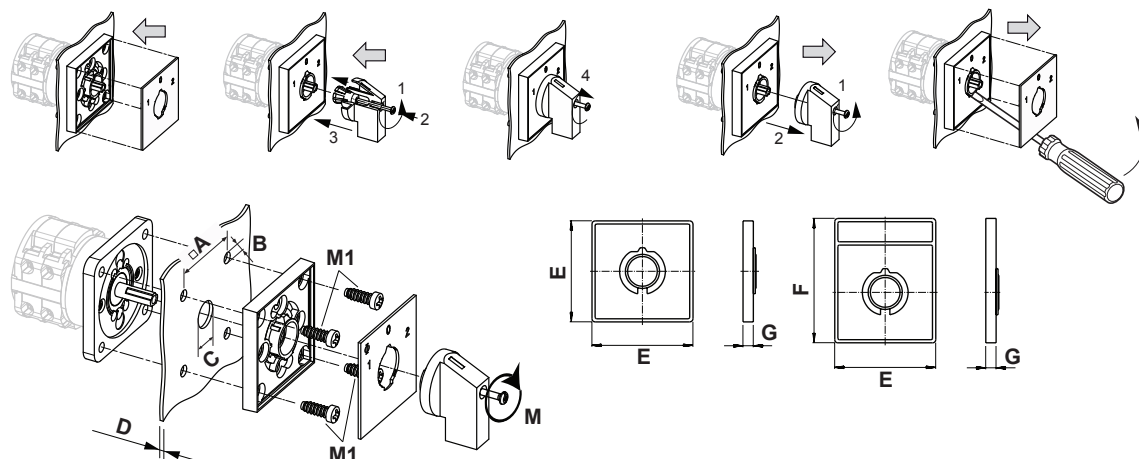
| Picture name                                                                     | Description                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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

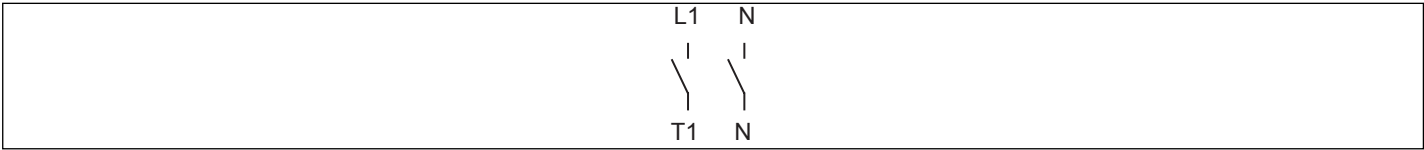


|                      |    |                  |
|----------------------|----|------------------|
| IP - Code front side |    | IP66, IP67       |
| Stages               |    | 1,00 - 12,00     |
| A                    | □  | 48,00 mm         |
| B                    | ∅  | 5,00 mm          |
| C                    | ∅  | 11,00 - 15,00 mm |
| D                    | H  | <= 4,00 mm       |
| E                    | ∅  | 64,00 mm         |
| F                    | H  | 78,00 mm         |
| G                    | H  | 7,40 mm          |
| M                    | M̃ | 0,70 Nm          |
| M1                   | M̃ | 0,90 Nm          |



Wiring diagram

KG10B.T302.E



## Switch program

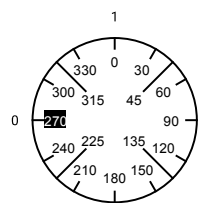
KG10B.T302.E



Kraus & Naimer

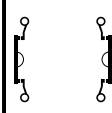
|              |              |          |                    |
|--------------|--------------|----------|--------------------|
| <b>KG10B</b> | <b>T302E</b> | <b>E</b> | <b>Page 1 of 1</b> |
|--------------|--------------|----------|--------------------|

**Face Plate**



|   |    |   |   |   |    |    |    |    |    |    |    |  |  |
|---|----|---|---|---|----|----|----|----|----|----|----|--|--|
| N | T1 |   |   |   |    |    |    |    |    |    |    |  |  |
| 1 | 3  | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 |  |  |

Marking plate: S0D H043 51F



|                       |    |  |   |    |   |   |    |    |    |    |    |    |    |    |
|-----------------------|----|--|---|----|---|---|----|----|----|----|----|----|----|----|
| Switching Angle       | 90 |  | 2 | 4  | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| Total switching Angle | 90 |  | N | L1 |   |   |    |    |    |    |    |    |    |    |

|   |  |     |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| 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

S1.F456/C10.V11H





Sample image

## PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/A71/A1

Colour of F-handle ring: "A" black

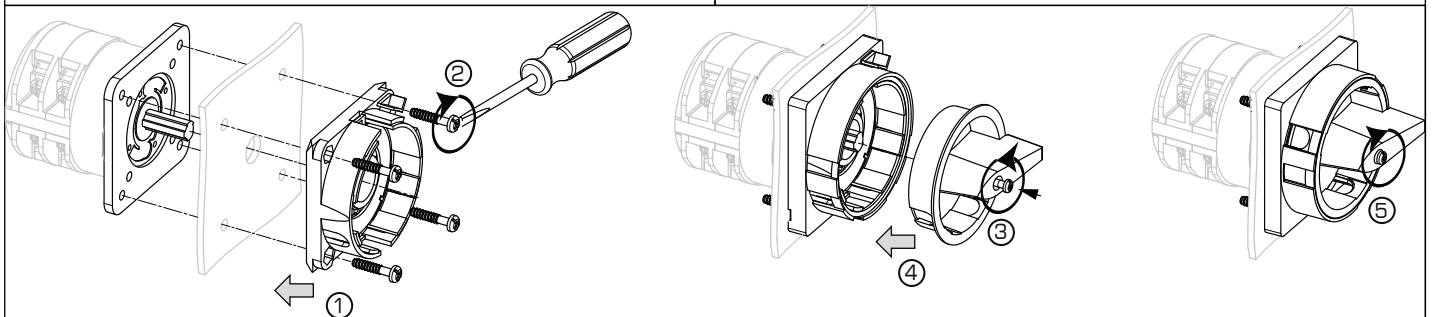
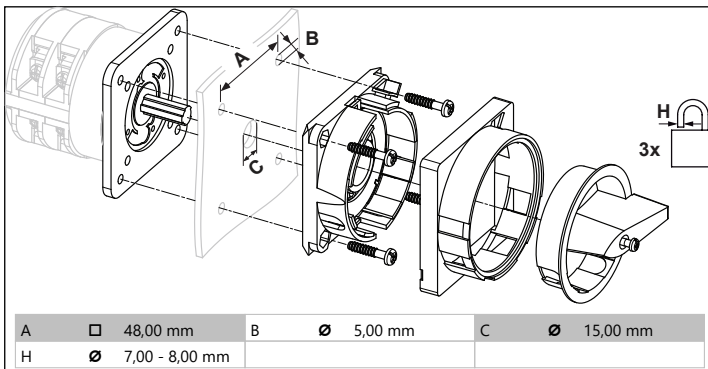
Colour of face ring: "7" electro-grey

Locking position: "1" at 270° (1x90°)

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

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

Switch type: "1" for C-switches and for KG10.



### MOUNTING

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

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.

