

Sample image

## Datasheet

Article number: 70015249

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 / DC             |            |                           |
| 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                                                                                                                                                              | 55        | 60 周囲温度 +55°C、24 時間、ただし 瞬時ピーク温度 +60°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                       | 3          |                           |
| AC-3                                                                                                                                                            | 380 - 440 | 3                                     | 3                       | 5,50       |                           |
| AC-3                                                                                                                                                            | 660 - 690 | 3                                     | 3                       | 5,50       |                           |
| AC-3                                                                                                                                                            | 220 - 240 | 1                                     | 2                       | 2,20       |                           |
| AC-3                                                                                                                                                            | 380 - 440 | 1                                     | 2                       | 3          |                           |
| AC-23A                                                                                                                                                          | 220 - 240 | 3                                     | 3                       | 3,70       |                           |
| AC-23A                                                                                                                                                          | 380 - 440 | 3                                     | 3                       | 7,50       |                           |
| AC-23A                                                                                                                                                          | 660 - 690 | 3                                     | 3                       | 7,50       |                           |
| AC-23A                                                                                                                                                          | 220 - 240 | 1                                     | 2                       | 2,50       |                           |
| AC-23A                                                                                                                                                          | 380 - 440 | 1                                     | 2                       | 3,70       |                           |
| 最大ヒューズ定格 IEC                                                                                                                                                    |           |                                       |                         |            |                           |
| ヒューズ特性                                                                                                                                                          |           |                                       |                         | ヒューズ数      | Current (A)               |
| gG                                                                                                                                                              |           |                                       |                         | 1          | 25                        |
| UL60947-4-1, UL508                                                                                                                                              |           |                                       |                         |            |                           |
| Nominal Voltage                                                                                                                                                 |           |                                       |                         |            |                           |
|                                                                                                                                                                 |           |                                       | 電圧 (V) AC / DC          |            |                           |
|                                                                                                                                                                 |           |                                       | 600 AC                  |            |                           |
| 定格絶縁電圧 Ui                                                                                                                                                       |           |                                       |                         |            |                           |
|                                                                                                                                                                 |           |                                       | 電圧 (V) AC / DC          |            |                           |
|                                                                                                                                                                 |           |                                       | 600 AC                  |            |                           |
| 定格熱電流                                                                                                                                                           |           |                                       |                         |            |                           |
| Current (A)                                                                                                                                                     |           | 周囲温度 (°C) 備考                          |                         |            |                           |
| 20                                                                                                                                                              |           | 0 - 40 --                             |                         |            |                           |
| Horsepower rating                                                                                                                                               |           |                                       |                         |            |                           |
| Across-the-Line Motor Starting                                                                                                                                  | 電圧 (V)    | 相数                                    | 極数                      | Power (HP) | Ambient temperature [°C]  |
| DOL                                                                                                                                                             | 110 - 120 | 1                                     | 2                       | 0,50       | 40                        |
| DOL                                                                                                                                                             | 220 - 240 | 1                                     | 2                       | 1          | 40                        |
| DOL                                                                                                                                                             | 277 - 277 | 1                                     | 2                       | 2          | 40                        |
| DOL                                                                                                                                                             | 440 - 480 | 1                                     | 2                       | 2          | 40                        |
| DOL                                                                                                                                                             | 550 - 600 | 1                                     | 2                       | 2          | 40                        |
| DOL                                                                                                                                                             | 110 - 120 | 3                                     | 3                       | 1,50       | 40                        |
| DOL                                                                                                                                                             | 220 - 240 | 3                                     | 3                       | 3          | 40                        |
| DOL                                                                                                                                                             | 440 - 480 | 3                                     | 3                       | 5          | 40                        |
| DOL                                                                                                                                                             | 550 - 600 | 3                                     | 3                       | 5          | 40                        |
| Pilot duty rating code                                                                                                                                          |           |                                       |                         |            |                           |
| Duty Code                                                                                                                                                       |           |                                       |                         |            |                           |
| A600                                                                                                                                                            |           |                                       |                         |            |                           |
| 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, 600V ac max. when protected by Class RK1 fuses. |           |                                       |                         |            |                           |
| Temp. rating of wire                                                                                                                                            |           |                                       |                         |            |                           |
| Temperature rating (°C)                                                                                                                                         |           |                                       | Current (A) Text        |            |                           |
| 60 - 75                                                                                                                                                         |           |                                       | -- Use copper wire only |            |                           |
| 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                                                                                                                                                              | 600       | 20                                    | 1                       | 2          | 1                         |

| General Use                            |           |                         |                   |       |                           |             |
|----------------------------------------|-----------|-------------------------|-------------------|-------|---------------------------|-------------|
| AC / DC                                | 電圧 (V)    | Current (A)             | 相数                | 極数    | No. of contacts in series |             |
| AC                                     | 600       | 20                      | 3                 | 3     | 1                         |             |
| CSA                                    |           |                         |                   |       |                           |             |
| Nominal Voltage                        |           |                         |                   |       |                           |             |
|                                        |           |                         | 電圧 (V) AC / DC    |       |                           |             |
|                                        |           |                         | 600 AC            |       |                           |             |
| 定格絶縁電圧 Ui                              |           |                         |                   |       |                           |             |
|                                        |           |                         | 電圧 (V) AC / DC    |       |                           |             |
|                                        |           |                         | 600 AC            |       |                           |             |
| 定格熱電流                                  |           |                         |                   |       |                           |             |
|                                        |           | Current (A)             |                   |       | 周囲温度 (°C) 備考              |             |
|                                        |           | 20                      |                   |       | 0 - 40 --                 |             |
| Horsepower rating                      |           |                         |                   |       |                           |             |
| Across-the-Line Motor Starting         |           |                         | 電圧 (V)            | 相数    | 極数                        | Power (HP)  |
| DOL                                    |           |                         | 110 - 120         | 1     | 2                         | 0,50        |
| DOL                                    |           |                         | 220 - 240         | 1     | 2                         | 1           |
| DOL                                    |           |                         | 277 - 277         | 1     | 2                         | 2           |
| DOL                                    |           |                         | 440 - 480         | 1     | 2                         | 2           |
| DOL                                    |           |                         | 550 - 600         | 1     | 2                         | 2           |
| DOL                                    |           |                         | 110 - 120         | 3     | 3                         | 1,50        |
| DOL                                    |           |                         | 220 - 240         | 3     | 3                         | 3           |
| DOL                                    |           |                         | 440 - 480         | 3     | 3                         | 5           |
| DOL                                    |           |                         | 550 - 600         | 3     | 3                         | 5           |
| Ambient temperature [°C]               |           |                         |                   |       |                           |             |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
|                                        |           |                         |                   |       |                           | 40          |
| Pilot duty rating code                 |           |                         |                   |       |                           |             |
| Duty Code                              |           |                         |                   |       |                           |             |
| A600                                   |           |                         |                   |       |                           |             |
| 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                                     | 600       | 20                      | 1                 | 2     | 1                         |             |
| AC                                     | 600       | 20                      | 3                 | 3     | 1                         |             |
| GENERAL TECHNICAL INFORMATION          |           |                         |                   |       |                           |             |
| 端子ネジ締付トルク                              |           |                         |                   |       |                           |             |
|                                        |           |                         | 締付トルク (Nm)        |       | 締付トルク (lb-in)             |             |
|                                        |           |                         | 1                 |       | 9                         |             |
| Stripping length                       |           |                         |                   |       |                           |             |
|                                        |           |                         | Length (mm) --    |       |                           |             |
|                                        |           |                         | 9 STRIPPINGLENGTH |       |                           |             |
| 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 (mm²) or (AWG/kcmil)  | 電線材料        |
| 単線                                     | 最小        |                         | 1                 |       | 0.75mm²                   | 銅           |
| 単線                                     | 最小        |                         | 2                 |       | 0.75mm²                   | 銅           |
| 細撚線                                    | 最小        |                         | 1                 |       | 0.75mm²                   | 銅           |
| 細撚線                                    | 最小        |                         | 2                 |       | 0.75mm²                   | 銅           |
| 細撚線                                    | 最大        |                         | 2                 |       | AWG 12                    | 銅           |
| 細撚線                                    | 最大        |                         | 2                 |       | 2.5mm²                    | 銅           |
| 単線または荒撚線                               | 最大        |                         | 2                 |       | AWG 10                    | 銅           |
| 単線または荒撚線                               | 最大        |                         | 2                 |       | 4mm²                      | 銅           |
| DIN46228規格フェール適用の細撚線                   | 最小        |                         | 1                 |       | 0.75mm²                   | 銅           |
| DIN46228規格フェール適用の細撚線                   | 最小        |                         | 2                 |       | 0.75mm²                   | 銅           |
| DIN46228規格フェール適用の細撚線                   | 最大        |                         | 2                 |       | 2.5mm²                    | 銅           |
| 認証                                     |           |                         |                   |       |                           |             |
| 仕様                                     |           |                         |                   |       |                           | マーキング       |
|                                        |           |                         |                   |       |                           | EAC         |
| EAC                                    |           |                         |                   |       |                           |             |
| CEマーキング                                |           |                         |                   |       |                           | CE          |
|                                        |           |                         |                   |       |                           | UK CA       |
| UK Directives                          |           |                         |                   |       |                           | UK CA       |
| CSA C.22.2 No.14                       |           |                         |                   |       |                           | CSA         |
|                                        |           |                         |                   |       |                           | CCC         |
| GB/T14048.3                            |           |                         |                   |       |                           | GB/T14048.3 |
| Recommended screw driver               |           |                         |                   |       |                           |             |
| Type of screw driver                   |           |                         |                   | Value |                           |             |
| Cross Screwdriver                      |           |                         |                   | PH1   |                           |             |
| Slot screwdriver according to DIN 5264 |           |                         |                   | 0,8x4 |                           |             |
| 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-FT2



|                      |    |                   |
|----------------------|----|-------------------|
| IP - Code front side |    | IP66, IP67, IP69k |
| Stages               |    | 1,00 - 12,00      |
| A                    | H  | 3,20 mm           |
| A+ _tol.             | H  | 0,20 mm           |
| A- _tol.             | H  | 0,00 mm           |
| B                    | H  | 24,10 mm          |
| B+ _tol.             | H  | 0,40 mm           |
| B- _tol.             | H  | 0,00 mm           |
| C                    | Ø  | 22,30 mm          |
| C+ _tol.             | Ø  | 0,40 mm           |
| C- _tol.             | Ø  | 0,00 mm           |
| D                    | H  | <= 6,00 mm        |
| E                    | □  | 48,00 mm          |
| M                    | M̃ | 0,50 Nm           |
| M1                   | M̃ | 1,80 Nm           |

## Wiring diagram

CH10.A401.FT2



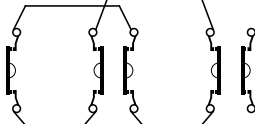
## Switch program

CH10.A401.FT2



Kraus & Naimer

CH10
A401
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| Face Plate                                                                                                                                                              |     |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---|---|---|----|----|----|----|----|----|----|----|
|                                                                                        |     |  |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         |     | 1                                                                                 | 3 | 5 | 7 | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 23 |
| Switching Angle <span style="border: 1px solid black; padding: 2px;">60</span><br>Total switching Angle <span style="border: 1px solid black; padding: 2px;">120</span> |     | 2                                                                                 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 1                                                                                                                                                                       | 300 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 315 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 330 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
| 0                                                                                                                                                                       | 345 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 0   |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 15  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
| 2                                                                                                                                                                       | 30  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 45  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 60  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 75  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 90  |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 105 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 120 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 135 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 150 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 165 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 180 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 195 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 210 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 225 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 240 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 255 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 270 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |
|                                                                                                                                                                         | 285 |                                                                                   |   |   |   |    |    |    |    |    |    |    |    |

Version: 60

## Face plate

S0.F071/A10.E1L



## HANDLES

Designation: S0C.G251

Handle colour: "1" black

