

Sample image

## Datasheet

Article number: 70018291

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                     |                |            |                           |
| 40                                                                                                                                                           | 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-32A                                                                                                                                                       | 20 - 400  |                                       |                |            | 40                        |
| 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              | 7,50       |                           |
| AC-3                                                                                                                                                         | 380 - 440 | 3                                     | 3              | 11         |                           |
| AC-3                                                                                                                                                         | 660 - 690 | 3                                     | 3              | 11         |                           |
| AC-23A                                                                                                                                                       | 220 - 240 | 3                                     | 3              | 7,50       |                           |
| AC-23A                                                                                                                                                       | 380 - 440 | 3                                     | 3              | 15         |                           |
| AC-23A                                                                                                                                                       | 660 - 690 | 3                                     | 3              | 15         |                           |
| 最大ヒューズ定格 IEC                                                                                                                                                 |           |                                       |                |            |                           |
| ヒューズ特性                                                                                                                                                       | ヒューズ数     |                                       |                |            | Current (A)               |
| gG                                                                                                                                                           | 1         |                                       |                |            | 50                        |
| 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                          |                |            |                           |
| 42                                                                                                                                                           |           | 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              | 2          | 40                        |
| DOL                                                                                                                                                          | 220 - 240 | 1                                     | 2              | 5          | 40                        |
| DOL                                                                                                                                                          | 277 - 277 | 1                                     | 2              | 7,50       | 40                        |
| DOL                                                                                                                                                          | 415 - 415 | 1                                     | 2              | 7,50       | 40                        |
| DOL                                                                                                                                                          | 440 - 480 | 1                                     | 2              | 10         | 40                        |
| DOL                                                                                                                                                          | 550 - 600 | 1                                     | 2              | 10         | 40                        |
| DOL                                                                                                                                                          | 110 - 120 | 3                                     | 3              | 5          | 40                        |
| DOL                                                                                                                                                          | 220 - 240 | 3                                     | 3              | 15         | 40                        |
| DOL                                                                                                                                                          | 415 - 415 | 3                                     | 3              | 15         | 40                        |
| DOL                                                                                                                                                          | 440 - 480 | 3                                     | 3              | 25         | 40                        |
| DOL                                                                                                                                                          | 550 - 600 | 3                                     | 3              | 30         | 40                        |
| Pilot duty rating code                                                                                                                                       |           |                                       |                |            |                           |
| Duty Code                                                                                                                                                    |           |                                       |                |            |                           |
| A600                                                                                                                                                         |           |                                       |                |            |                           |
| SCCR / Max. fuse rating                                                                                                                                      |           |                                       |                |            |                           |
| Conditions of acceptability                                                                                                                                  |           |                                       |                |            |                           |
| This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses. |           |                                       |                |            |                           |
| Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by 60A Class J fuses.              |           |                                       |                |            |                           |
| Temp. rating of wire                                                                                                                                         |           |                                       |                |            |                           |
| Temperature rating (°C)                                                                                                                                      |           | Current (A) Text                      |                |            |                           |
| 60 - 75                                                                                                                                                      |           | -- --                                 |                |            |                           |
| General Use                                                                                                                                                  |           |                                       |                |            |                           |
| AC / DC                                                                                                                                                      | 電圧 (V)    | Current (A)                           | 相数             | 極数         | No. of contacts in series |
| AC                                                                                                                                                           | 277       | 42                                    | 1              | 1          | 1                         |
| AC                                                                                                                                                           | 600       | 42                                    | 1              | 2          | 1                         |
| AC                                                                                                                                                           | 600       | 42                                    | 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。                                                        |           |                                       |                |            |                           |

|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|--------------------------|---------------------------|--|
| 注意事項                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| 備考                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| - 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     |                          |                           |  |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |             | 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       |                          |                           |  |
| 40                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |             | 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                  | 2                        | 40                        |  |
| DOL                                                                                                                   | 220 - 240                                                                                                                                                                                                                                                                                                                                                                          | 1           | 2                  | 5                        | 40                        |  |
| DOL                                                                                                                   | 277 - 277                                                                                                                                                                                                                                                                                                                                                                          | 1           | 2                  | 7,50                     | 40                        |  |
| DOL                                                                                                                   | 415 - 415                                                                                                                                                                                                                                                                                                                                                                          | 1           | 2                  | 7,50                     | 40                        |  |
| DOL                                                                                                                   | 440 - 480                                                                                                                                                                                                                                                                                                                                                                          | 1           | 2                  | 10                       | 40                        |  |
| DOL                                                                                                                   | 550 - 600                                                                                                                                                                                                                                                                                                                                                                          | 1           | 2                  | 10                       | 40                        |  |
| DOL                                                                                                                   | 110 - 120                                                                                                                                                                                                                                                                                                                                                                          | 3           | 3                  | 5                        | 40                        |  |
| DOL                                                                                                                   | 220 - 240                                                                                                                                                                                                                                                                                                                                                                          | 3           | 3                  | 15                       | 40                        |  |
| DOL                                                                                                                   | 415 - 415                                                                                                                                                                                                                                                                                                                                                                          | 3           | 3                  | 15                       | 40                        |  |
| DOL                                                                                                                   | 440 - 480                                                                                                                                                                                                                                                                                                                                                                          | 3           | 3                  | 25                       | 40                        |  |
| DOL                                                                                                                   | 550 - 600                                                                                                                                                                                                                                                                                                                                                                          | 3           | 3                  | 30                       | 40                        |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                | 40          | 1                  | 1                        | 1                         |  |
| AC                                                                                                                    | 600                                                                                                                                                                                                                                                                                                                                                                                | 40          | 1                  | 2                        | 1                         |  |
| AC                                                                                                                    | 600                                                                                                                                                                                                                                                                                                                                                                                | 40          | 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)             |  |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |             | 1,80               |                          | 16                        |  |
| Stripping length                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |             | Length (mm) --     |                          |                           |  |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |             | 12 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                      |  |
| 細撚線                                                                                                                   | 最大                                                                                                                                                                                                                                                                                                                                                                                 |             | 1                  | 1 AWG 6                  | 銅                         |  |
| 細撚線                                                                                                                   | 最大                                                                                                                                                                                                                                                                                                                                                                                 |             | 1                  | 10mm²                    | 銅                         |  |
| 単線または荒撚線                                                                                                              | 最大                                                                                                                                                                                                                                                                                                                                                                                 |             | 1                  | 1 AWG 6                  | 銅                         |  |
| 単線または荒撚線                                                                                                              | 最大                                                                                                                                                                                                                                                                                                                                                                                 |             | 1                  | 16mm²                    | 銅                         |  |
| スリーブ端子適用の細撚線                                                                                                          | 最大                                                                                                                                                                                                                                                                                                                                                                                 |             | 1                  | 10mm²                    | 銅                         |  |
| 認証                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| 仕様                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| マーキング                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| EAC                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| CEマーキング                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| UK Directives                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| CSA C.22.2 No.14                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| GB/T14048.3                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| Recommended screw driver                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| Type of screw driver                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    | Value                    |                           |  |
| Cross Screwdriver                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    | PH2                      |                           |  |
| Slot screwdriver according to DIN 5264                                                                                |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    | 1,2x6,5                  |                           |  |
| 注意事項                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| 備考                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| - EMC Note: This device is suitable for use in environment A and B.                                                   |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| - 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。                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| - 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。 |                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |                          |                           |  |
| 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



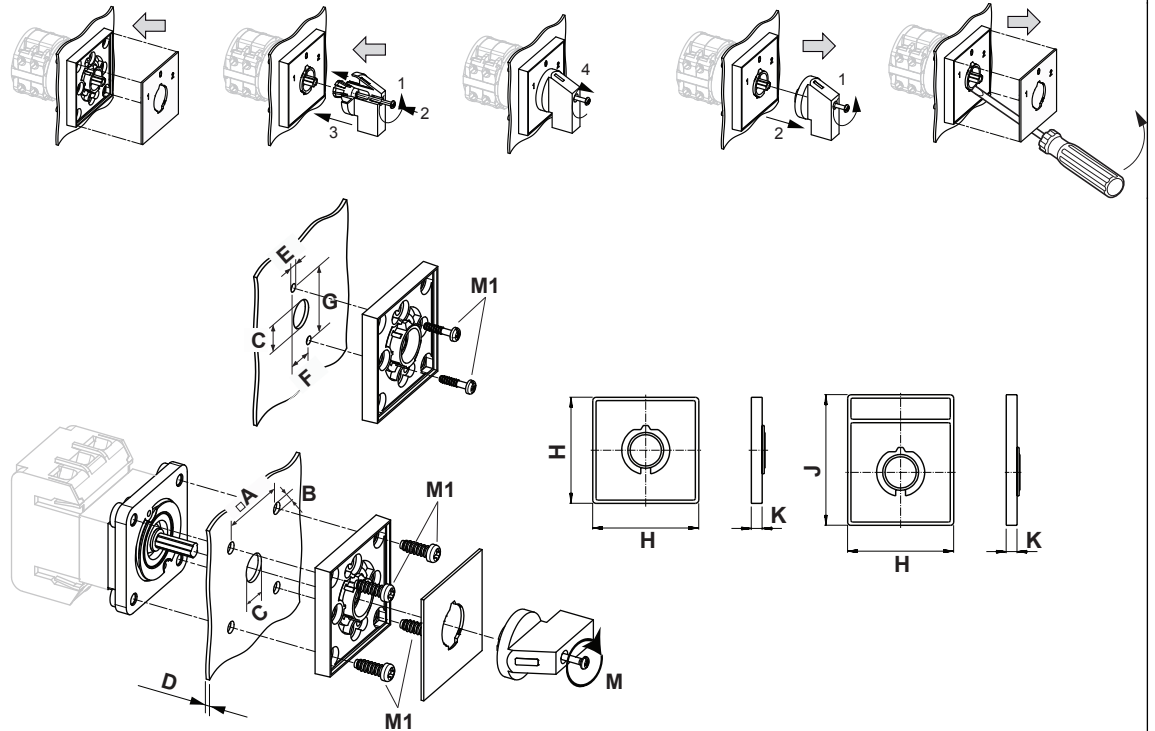
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-E



|                      |   |                  |
|----------------------|---|------------------|
| IP - Code front side |   | IP66, IP67       |
| Stages               |   | 1,00 - 12,00     |
| A                    | □ | 48,00 mm         |
| B                    | ∅ | 5,00 mm          |
| C                    | ∅ | 10,00 - 15,00 mm |
| D                    | H | <= 4,00 mm       |
| E                    | ∅ | 3,50 mm          |
| F                    | H | 12,20 mm         |
| G                    | H | 30,00 mm         |
| H                    | H | 64,00 mm         |
| J                    | H | 78,50 mm         |
| K                    | H | 7,40 mm          |
| M                    | ⌘ | 0,70 Nm          |
| M1                   | ⌘ | 0,90 Nm          |

## Wiring diagram

KG41B.T303.E



## Switch program

KG41B.T303.E



Kraus & Naimer

**KG41B**
**T303**

**Page 1 of 1**

| Face Plate                                                                                                                                                                                                                                                                                                               |     |    |    |    |   |    |    |    |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|---|----|----|----|----|
|                                                                                                                                                                                                                                         |     | L1 | L2 | L3 |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     | 1  | 3  | 5  | 7 | 9  | 11 | 13 | 15 |
| <div style="display: flex; justify-content: space-around;">    </div> |     |    |    |    |   |    |    |    |    |
| Switching Angle <span style="border: 1px solid black; padding: 2px;">90</span><br>Total switching Angle <span style="border: 1px solid black; padding: 2px;">90</span>                                                                                                                                                   |     | 2  | 4  | 6  | 8 | 10 | 12 | 14 | 16 |
|                                                                                                                                                                                                                                                                                                                          |     | T1 | T2 | T3 |   |    |    |    |    |
| 0                                                                                                                                                                                                                                                                                                                        | 270 |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
| 1                                                                                                                                                                                                                                                                                                                        | 0   | ■  | ■  | ■  |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          | 90  |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          | 180 |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |
|                                                                                                                                                                                                                                                                                                                          |     |    |    |    |   |    |    |    |    |

Version: 102

## Face plate

S1.F456/A1B.PEL



## HANDLES

Designation: S1B.G251

Handle colour: "1" black

