



Sample image

## Datasheet

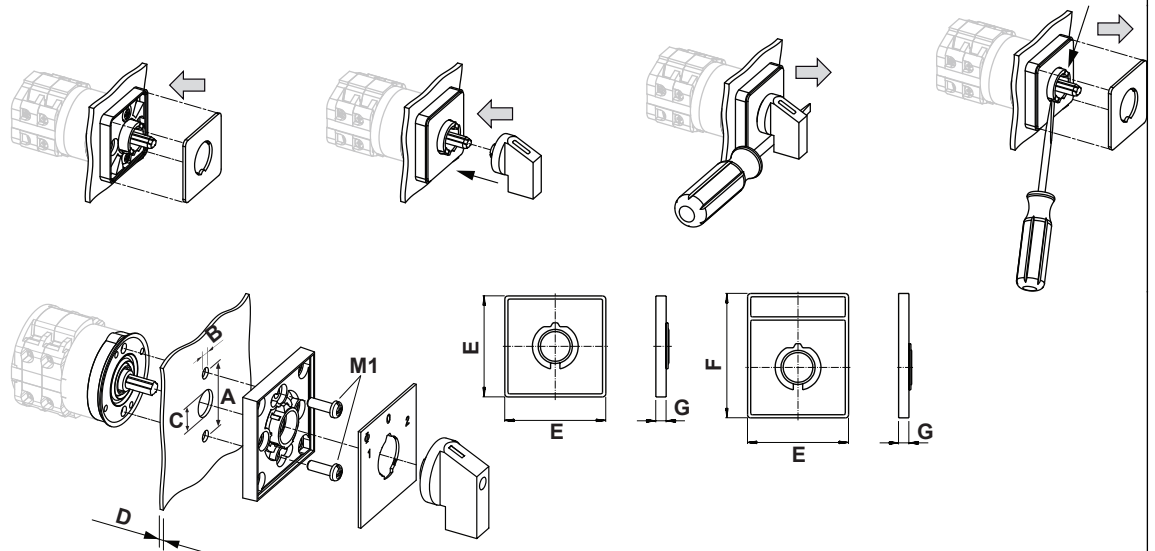
Article number: 70007657

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 |            |                           |
|                                           |           |                                       | 440 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                     |                |            |                           |
| 10                                        | 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  | 2,50                      |
| AC-15                                     |           |                                       |                | 380 - 440  | 1,50                      |
| 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              | 1,50       |                           |
| AC-3                                      | 380 - 440 | 3                                     | 3              | 2,20       |                           |
| AC-3                                      | 220 - 240 | 1                                     | 2              | 0,55       |                           |
| AC-3                                      | 380 - 440 | 1                                     | 2              | 0,75       |                           |
| AC-23A                                    | 220 - 240 | 3                                     | 3              | 1,80       |                           |
| AC-23A                                    | 380 - 440 | 3                                     | 3              | 3          |                           |
| AC-23A                                    | 220 - 240 | 1                                     | 2              | 0,75       |                           |
| AC-23A                                    | 380 - 440 | 1                                     | 2              | 1,10       |                           |
| 最大ヒューズ定格 IEC                              |           |                                       |                |            |                           |
| ヒューズ特性                                    |           |                                       |                | ヒューズ数      | Current (A)               |
| gG                                        |           |                                       |                | 1          | 10                        |
| UL60947-4-1, UL508                        |           |                                       |                |            |                           |
| Nominal Voltage                           |           |                                       |                |            |                           |
|                                           |           |                                       | 電圧 (V) AC / DC |            |                           |
|                                           |           |                                       | 300 AC         |            |                           |
| 定格絶縁電圧 Ui                                 |           |                                       |                |            |                           |
|                                           |           |                                       | 電圧 (V) AC / DC |            |                           |
|                                           |           |                                       | 300 AC         |            |                           |
| 定格熱電流                                     |           |                                       |                |            |                           |
| Current (A)                               |           | 周囲温度 (°C) 備考                          |                |            |                           |
| 10                                        |           | 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              | 0,33       | 40                        |
| DOL                                       | 220 - 240 | 1                                     | 2              | 0,75       | 40                        |
| DOL                                       | 277 - 277 | 1                                     | 2              | 0,75       | 40                        |
| DOL                                       | 110 - 120 | 3                                     | 3              | 0,75       | 40                        |
| DOL                                       | 220 - 240 | 3                                     | 3              | 1          | 40                        |
| Pilot duty rating code                    |           |                                       |                |            |                           |
| Duty Code                                 |           |                                       |                |            |                           |
| A300                                      |           |                                       |                |            |                           |
| 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                                        | 120       | 10                                    | 1              | 1          | 1                         |
| AC                                        | 277       | 10                                    | 1              | 2          | 1                         |
| AC                                        | 277       | 10                                    | 3              | 3          | 1                         |
| CSA                                       |           |                                       |                |            |                           |
| Nominal Voltage                           |           |                                       |                |            |                           |
|                                           |           |                                       | 電圧 (V) AC / DC |            |                           |
|                                           |           |                                       | 300 AC         |            |                           |
| 定格絶縁電圧 Ui                                 |           |                                       |                |            |                           |
|                                           |           |                                       | 電圧 (V) AC / DC |            |                           |
|                                           |           |                                       | 300 AC         |            |                           |

|                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------------|--------------------------|
| 定格熱電流                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Current (A)                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                    | 周囲温度 (°C) 備考      |                                                                                       |                           |                          |
| 10                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                    | 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                                                                                     | 0,33                      | 40                       |
| DOL                                                                                                                                                                                                                                                                                                                                                        |           | 220 - 240                                                                                                                                                                                                                                                                                                                                                                          | 1                 | 2                                                                                     | 0,75                      | 40                       |
| DOL                                                                                                                                                                                                                                                                                                                                                        |           | 277 - 277                                                                                                                                                                                                                                                                                                                                                                          | 1                 | 2                                                                                     | 0,75                      | 40                       |
| DOL                                                                                                                                                                                                                                                                                                                                                        |           | 110 - 120                                                                                                                                                                                                                                                                                                                                                                          | 3                 | 3                                                                                     | 0,75                      | 40                       |
| DOL                                                                                                                                                                                                                                                                                                                                                        |           | 220 - 240                                                                                                                                                                                                                                                                                                                                                                          | 3                 | 3                                                                                     | 1                         | 40                       |
| Pilot duty rating code                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Duty Code                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| A300                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Temp. rating of wire                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Temperature rating (°C)                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                    | Current (A) Text  |                                                                                       |                           |                          |
| 75                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                    | -- only           |                                                                                       |                           |                          |
| General Use                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| AC / DC                                                                                                                                                                                                                                                                                                                                                    | 電圧 (V)    | Current (A)                                                                                                                                                                                                                                                                                                                                                                        | 相数                | 極数                                                                                    | No. of contacts in series |                          |
| AC                                                                                                                                                                                                                                                                                                                                                         | 120       | 10                                                                                                                                                                                                                                                                                                                                                                                 | 1                 | 1                                                                                     | 1                         |                          |
| AC                                                                                                                                                                                                                                                                                                                                                         | 277       | 10                                                                                                                                                                                                                                                                                                                                                                                 | 1                 | 2                                                                                     | 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)             |                          |
|                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                    | 0,40              |                                                                                       | 3,50                      |                          |
| Stripping length                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
|                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                    | Length (mm) --    |                                                                                       |                           |                          |
|                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                    | 6 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                 | 0.5mm²                                                                                | 銅                         |                          |
| 単線                                                                                                                                                                                                                                                                                                                                                         | 最小        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | 0.5mm²                                                                                | 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 16                                                                                | 銅                         |                          |
| 細撚線                                                                                                                                                                                                                                                                                                                                                        | 最大        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | 1.5mm²                                                                                | 銅                         |                          |
| 単線または荒撚線                                                                                                                                                                                                                                                                                                                                                   | 最大        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | AWG 14                                                                                | 銅                         |                          |
| 単線または荒撚線                                                                                                                                                                                                                                                                                                                                                   | 最大        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | 1.5mm²                                                                                | 銅                         |                          |
| DIN46228規格フェール適用の細撚線                                                                                                                                                                                                                                                                                                                                       | 最大        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | 1mm²                                                                                  | 銅                         |                          |
| DIN46228規格フェール適用の細撚線                                                                                                                                                                                                                                                                                                                                       | 最小        |                                                                                                                                                                                                                                                                                                                                                                                    | 1                 | 0.5mm²                                                                                | 銅                         |                          |
| DIN46228規格フェール適用の細撚線                                                                                                                                                                                                                                                                                                                                       | 最小        |                                                                                                                                                                                                                                                                                                                                                                                    | 2                 | 0.5mm²                                                                                | 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                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |  |                           |                          |
| Recommended screw driver                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Type of screw driver                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                    | Value             |                                                                                       |                           |                          |
| Cross Screwdriver                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                    | PH1               |                                                                                       |                           |                          |
| Slot screwdriver according to DIN 5264                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                    | 0,6x3,5           |                                                                                       |                           |                          |
| 注意事項                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| 備考                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| <div>- 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。</div> <div>- 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。</div> <div>- 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。</div> <div>- 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。</div> <div>- 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。</div> |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Waste Electrical & Electronic Equipment (WEEE)                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Picture name                                                                                                                                                                                                                                                                                                                                               |           | Description                                                                                                                                                                                                                                                                                                                                                                        |                   |                                                                                       |                           |                          |
|                                                                                                                                                                                                                                                                          |           | Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at <a href="http://www.krausnaimer.com">www.krausnaimer.com</a> |                   |                                                                                       |                           |                          |
| Proposition 65                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Picture name                                                                                                                                                                                                                                                                                                                                               |           | Description                                                                                                                                                                                                                                                                                                                                                                        |                   |                                                                                       |                           |                          |
|                                                                                                                                                                                                                                                                          |           | WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .                                                                                                                                            |                   |                                                                                       |                           |                          |
| Classification Contact: Rigid contact bridge                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Classification Contact Mat: Silver                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |
| Classification Terminal: Screw terminal                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                       |                           |                          |

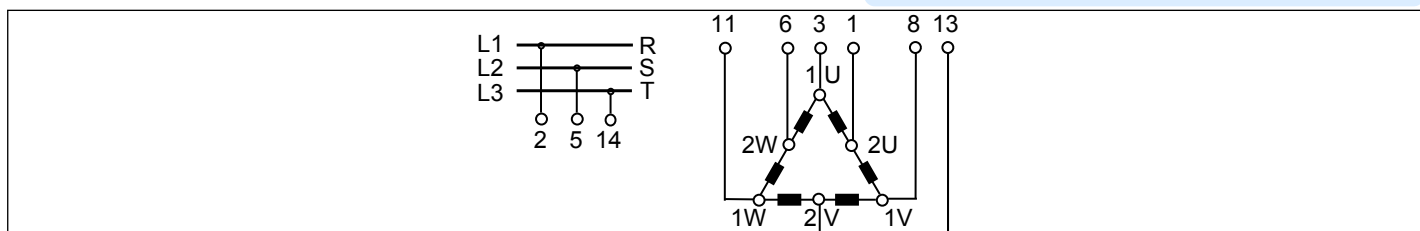
## Mounting-E



|                      |   |                 |
|----------------------|---|-----------------|
| IP - Code front side |   | IP40            |
| Stages               |   | 1,00 - 9,00     |
| A                    | H | 20,00 mm        |
| B                    | Ø | 3,20 mm         |
| C                    | Ø | 8,00 - 11,00 mm |
| D                    | H | <= 4,00 mm      |
| E                    | H | 30,00 mm        |
| F                    | H | 39,00 mm        |
| G                    | H | 5,50 mm         |
| M1                   | M | 0,40 Nm         |

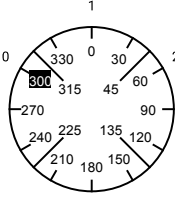
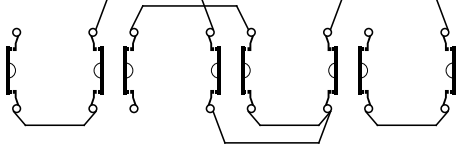
## Wiring diagram

CA4.A440.E



## Switch program

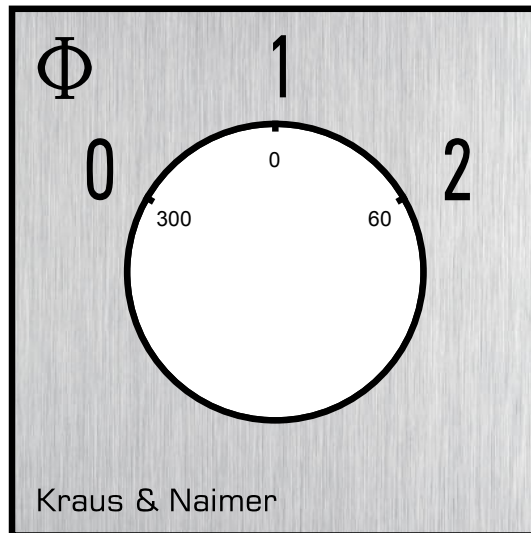
CA4.A440.E

|  Kraus & Naimer          |     | CA4                                                                                |   | A440 |   | Page 1 of 1 |    |    |    |    |    |    |    |
|-----------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|---|------|---|-------------|----|----|----|----|----|----|----|
|                                                                                                           |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| <b>Face Plate</b>                                                                                         |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                          |     | 1                                                                                  | 3 | 5    | 7 | 9           | 11 | 13 | 15 | 17 | 19 | 21 | 23 |
|                                                                                                           |     |  |   |      |   |             |    |    |    |    |    |    |    |
| Switching Angle <input type="text" value="60"/><br>Total switching Angle <input type="text" value="120"/> |     | 2                                                                                  | 4 | 6    | 8 | 10          | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 0                                                                                                         | 300 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 315 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 330 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 345 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 0   |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 15  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 30  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 45  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 60  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 75  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 90  |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 105 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 120 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 135 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 150 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 165 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
|                                                                                                           | 180 |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 195                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 210                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 225                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 240                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 255                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 270                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |
| 285                                                                                                       |     |                                                                                    |   |      |   |             |    |    |    |    |    |    |    |

Version: 44

## Face plate

S00.F073/A1B.PE



## HANDLES

Designation: S00.G251

Handle colour: "1" black

