



Sample image

## Datasheet

**Article number:** 70010830

**Designation:** KG125.T104/01.E

**Description:** Switch Global Disconnecter

|                                                                                                                                                              |                          |                          |                                                                    |              |                           |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------------------------|--------------|---------------------------|--------------------------|
| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107                                                                                                                    |                          |                          |                                                                    |              |                           |                          |
| Rated insulation voltage Ui                                                                                                                                  |                          |                          |                                                                    |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                    |              |                           |                          |
| 1000 AC                                                                                                                                                      |                          |                          |                                                                    |              |                           |                          |
| Rated uninterrupted current Iu/Ith                                                                                                                           |                          |                          |                                                                    |              |                           |                          |
| Current (A)                                                                                                                                                  | Ambient temperature (°C) | Peak temperature (°C)    | additional requirements                                            |              |                           |                          |
| 125                                                                                                                                                          | 50                       | 55                       | Ambient temperature +50°C during 24 hours with peaks up to +55°C   |              |                           |                          |
| Rated operational current Ie                                                                                                                                 |                          |                          |                                                                    |              |                           |                          |
| Utilization category                                                                                                                                         |                          | Voltage (V)              |                                                                    | Current (A)  |                           |                          |
| AC-32A                                                                                                                                                       |                          | 20 - 400                 |                                                                    | 125          |                           |                          |
| Rated operational power                                                                                                                                      |                          |                          |                                                                    |              |                           |                          |
| Utilization category                                                                                                                                         | Voltage (V)              | No. of phases            | No. of poles                                                       | Power (kW)   |                           |                          |
| AC-3                                                                                                                                                         | 220 - 240                | 3                        | 3                                                                  | 22           |                           |                          |
| AC-3                                                                                                                                                         | 380 - 440                | 3                        | 3                                                                  | 37           |                           |                          |
| AC-3                                                                                                                                                         | 660 - 690                | 3                        | 3                                                                  | 30           |                           |                          |
| AC-23A                                                                                                                                                       | 220 - 240                | 3                        | 3                                                                  | 30           |                           |                          |
| AC-23A                                                                                                                                                       | 380 - 440                | 3                        | 3                                                                  | 45           |                           |                          |
| AC-23A                                                                                                                                                       | 660 - 690                | 3                        | 3                                                                  | 37           |                           |                          |
| Max. Fuse rating IEC                                                                                                                                         |                          |                          |                                                                    |              |                           |                          |
| Fuse characteristic                                                                                                                                          |                          | No. of Fuses             |                                                                    | Current (A)  |                           |                          |
| gG                                                                                                                                                           |                          | 1                        |                                                                    | 125          |                           |                          |
| UL60947-4-1 , UL508                                                                                                                                          |                          |                          |                                                                    |              |                           |                          |
| Nominal Voltage                                                                                                                                              |                          |                          |                                                                    |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                    |              |                           |                          |
| 600 AC                                                                                                                                                       |                          |                          |                                                                    |              |                           |                          |
| Rated insulation voltage Ui                                                                                                                                  |                          |                          |                                                                    |              |                           |                          |
| Voltage (V) AC / DC                                                                                                                                          |                          |                          |                                                                    |              |                           |                          |
| 600 AC                                                                                                                                                       |                          |                          |                                                                    |              |                           |                          |
| Rated thermal current                                                                                                                                        |                          |                          |                                                                    |              |                           |                          |
| Current (A)                                                                                                                                                  |                          | Ambient temperature (°C) | Additional Text                                                    |              |                           |                          |
| 150                                                                                                                                                          |                          | 0 - 40                   | ON-OFF switch (Valid when connected with wire rated for 75°C)      |              |                           |                          |
| 125                                                                                                                                                          |                          | 0 - 40                   | Change over switch (Valid when connected with wire rated for 75°C) |              |                           |                          |
| Horsepower rating                                                                                                                                            |                          |                          |                                                                    |              |                           |                          |
| Across-the-Line Motor Starting                                                                                                                               |                          | Voltage (V)              | No. of phases                                                      | No. of poles | Power (HP)                | Ambient temperature [°C] |
| DOL                                                                                                                                                          |                          | 110 - 120                | 1                                                                  | 2            | 7,50                      | 40                       |
| DOL                                                                                                                                                          |                          | 220 - 240                | 1                                                                  | 2            | 20                        | 40                       |
| DOL                                                                                                                                                          |                          | 277 - 277                | 1                                                                  | 2            | 20                        | 40                       |
| DOL                                                                                                                                                          |                          | 440 - 480                | 1                                                                  | 2            | 35                        | 40                       |
| DOL                                                                                                                                                          |                          | 550 - 600                | 1                                                                  | 2            | 35                        | 40                       |
| DOL                                                                                                                                                          |                          | 110 - 120                | 3                                                                  | 3            | 15                        | 40                       |
| DOL                                                                                                                                                          |                          | 220 - 240                | 3                                                                  | 3            | 30                        | 40                       |
| DOL                                                                                                                                                          |                          | 440 - 480                | 3                                                                  | 3            | 60                        | 40                       |
| DOL                                                                                                                                                          |                          | 550 - 600                | 3                                                                  | 3            | 60                        | 40                       |
| 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 at 600V max., when protected by 300A Class J fuses.          |                          |                          |                                                                    |              |                           |                          |
| Temp. rating of wire                                                                                                                                         |                          |                          |                                                                    |              |                           |                          |
| Temperature rating (°C)                                                                                                                                      |                          | Current (A)              |                                                                    |              | Text                      |                          |
| 75                                                                                                                                                           |                          | --                       |                                                                    |              | --                        |                          |
| General Use                                                                                                                                                  |                          |                          |                                                                    |              |                           |                          |
| AC / DC                                                                                                                                                      | Voltage (V)              | Current (A)              | No. of phases                                                      | No. of poles | No. of contacts in series |                          |
| AC                                                                                                                                                           | 277                      | 125                      | 1                                                                  | 1            | 1                         |                          |
| AC                                                                                                                                                           | 277                      | 150                      | 1                                                                  | 1            | 1                         |                          |
| AC                                                                                                                                                           | 600                      | 150                      | 1                                                                  | 2            | 1                         |                          |
| AC                                                                                                                                                           | 600                      | 150                      | 3                                                                  | 3            | 1                         |                          |
| AC double-throw function                                                                                                                                     | 600                      | 125                      | 1                                                                  | 2            | 1                         |                          |
| AC double-throw function                                                                                                                                     | 600                      | 125                      | 3                                                                  | 3            | 1                         |                          |

|                                                                                                                                                                                                                                                                                                        |                   |             |                                                                                     |                                    |                                                                                       |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|-------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------|----------------------|
| General Information                                                                                                                                                                                                                                                                                    |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Text                                                                                                                                                                                                                                                                                                   |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers. |                   |             |                                                                                     |                                    |                                                                                       |                      |
| CSA                                                                                                                                                                                                                                                                                                    |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Nominal Voltage                                                                                                                                                                                                                                                                                        |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | Voltage (V) AC / DC                                                                 |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | 600 AC                                                                              |                                    |                                                                                       |                      |
| Rated insulation voltage Ui                                                                                                                                                                                                                                                                            |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | Voltage (V) AC / DC                                                                 |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | 600 AC                                                                              |                                    |                                                                                       |                      |
| Rated thermal current                                                                                                                                                                                                                                                                                  |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   | Current (A) | Ambient temperature (°C)                                                            |                                    | Additional Text                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   | 150         | 0 - 40                                                                              |                                    | --                                                                                    |                      |
| Horsepower rating                                                                                                                                                                                                                                                                                      |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Across-the-Line Motor Starting                                                                                                                                                                                                                                                                         |                   |             | Voltage (V)                                                                         | No. of phases                      | No. of poles                                                                          | Power (HP)           |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 110 - 120                                                                           | 1                                  | 2                                                                                     | 7,50                 |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 220 - 240                                                                           | 1                                  | 2                                                                                     | 20                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 277 - 277                                                                           | 1                                  | 2                                                                                     | 20                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 440 - 480                                                                           | 1                                  | 2                                                                                     | 35                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 550 - 600                                                                           | 1                                  | 2                                                                                     | 35                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 110 - 120                                                                           | 3                                  | 3                                                                                     | 15                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 220 - 240                                                                           | 3                                  | 3                                                                                     | 30                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 440 - 480                                                                           | 3                                  | 3                                                                                     | 60                   |
| DOL                                                                                                                                                                                                                                                                                                    |                   |             | 550 - 600                                                                           | 3                                  | 3                                                                                     | 60                   |
| Temp. rating of wire                                                                                                                                                                                                                                                                                   |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | Temperature rating (°C)                                                             |                                    | Current (A) Text                                                                      |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | 75                                                                                  |                                    | -- --                                                                                 |                      |
| General Use                                                                                                                                                                                                                                                                                            |                   |             |                                                                                     |                                    |                                                                                       |                      |
| AC / DC                                                                                                                                                                                                                                                                                                | Voltage (V)       | Current (A) | No. of phases                                                                       | No. of poles                       | No. of contacts in series                                                             |                      |
| AC                                                                                                                                                                                                                                                                                                     | 277               | 150         | 1                                                                                   | 1                                  | 1                                                                                     |                      |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 150         | 1                                                                                   | 2                                  | 1                                                                                     |                      |
| AC                                                                                                                                                                                                                                                                                                     | 600               | 150         | 3                                                                                   | 3                                  | 1                                                                                     |                      |
| GENERAL TECHNICAL INFORMATION                                                                                                                                                                                                                                                                          |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Size of conductor                                                                                                                                                                                                                                                                                      |                   |             |                                                                                     |                                    |                                                                                       |                      |
| composition of conductor                                                                                                                                                                                                                                                                               | Min. / Max. value |             | No. of conductor per terminal                                                       | Cross section (mm²) or (AWG/kcmil) |                                                                                       | Material of the wire |
| solid wire                                                                                                                                                                                                                                                                                             | Min.              |             | 1                                                                                   | 6mm²                               |                                                                                       | Copper               |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              |             | 1                                                                                   | 70mm²                              |                                                                                       | Copper               |
| flexible wire                                                                                                                                                                                                                                                                                          | Min.              |             | 1                                                                                   | 16mm²                              |                                                                                       | Copper               |
| flexible wire                                                                                                                                                                                                                                                                                          | Max.              |             | 1                                                                                   | AWG 2/0                            |                                                                                       | Copper               |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              |             | 1                                                                                   | 95mm²                              |                                                                                       | Copper               |
| Single-core or stranded wire                                                                                                                                                                                                                                                                           | Max.              |             | 1                                                                                   | AWG 3/0                            |                                                                                       | Copper               |
| flexible wire with sleeve                                                                                                                                                                                                                                                                              | Max.              |             | 1                                                                                   | 70mm²                              |                                                                                       | Copper               |
| flexible wire with ferrule according to DIN 46228                                                                                                                                                                                                                                                      | Min.              |             | 1                                                                                   | 10mm²                              |                                                                                       | Copper               |
| Stripping length                                                                                                                                                                                                                                                                                       |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | Length (mm) --                                                                      |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             |  |                                    |                                                                                       |                      |
| Recommended screw driver                                                                                                                                                                                                                                                                               |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Type of screw driver                                                                                                                                                                                                                                                                                   |                   |             | Value                                                                               |                                    |                                                                                       |                      |
| Hex key                                                                                                                                                                                                                                                                                                |                   |             | 5                                                                                   |                                    |                                                                                       |                      |
| Tightening torque of screws                                                                                                                                                                                                                                                                            |                   |             |                                                                                     |                                    |                                                                                       |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | tightening torque (Nm)                                                              |                                    | tightening torque (lb-in)                                                             |                      |
|                                                                                                                                                                                                                                                                                                        |                   |             | 14                                                                                  |                                    | 125                                                                                   |                      |
| Approbations                                                                                                                                                                                                                                                                                           |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Specification                                                                                                                                                                                                                                                                                          |                   |             |                                                                                     |                                    | Marking                                                                               |                      |
| EAC                                                                                                                                                                                                                                                                                                    |                   |             |                                                                                     |                                    |  |                      |
| CE marking                                                                                                                                                                                                                                                                                             |                   |             |                                                                                     |                                    |  |                      |
| UK Directives                                                                                                                                                                                                                                                                                          |                   |             |                                                                                     |                                    |  |                      |
| CSA C.22.2 No.14                                                                                                                                                                                                                                                                                       |                   |             |                                                                                     |                                    |  |                      |
| GB/T14048.3                                                                                                                                                                                                                                                                                            |                   |             |                                                                                     |                                    |  |                      |
| General Information                                                                                                                                                                                                                                                                                    |                   |             |                                                                                     |                                    |                                                                                       |                      |
| Text                                                                                                                                                                                                                                                                                                   |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - EMC Note: This device is suitable for use in environment A and B.                                                                                                                                                                                                                                    |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - Do not lubricate or treat contacts.                                                                                                                                                                                                                                                                  |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.                                                                                                                                                                   |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - Use copper wire only. Do not coat the wire end with tin.                                                                                                                                                                                                                                             |                   |             |                                                                                     |                                    |                                                                                       |                      |
| - Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.           |                   |             |                                                                                     |                                    |                                                                                       |                      |

## Waste Electrical & Electronic Equipment (WEEE)

Picture name Description



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

## Proposition 65

Picture name Description



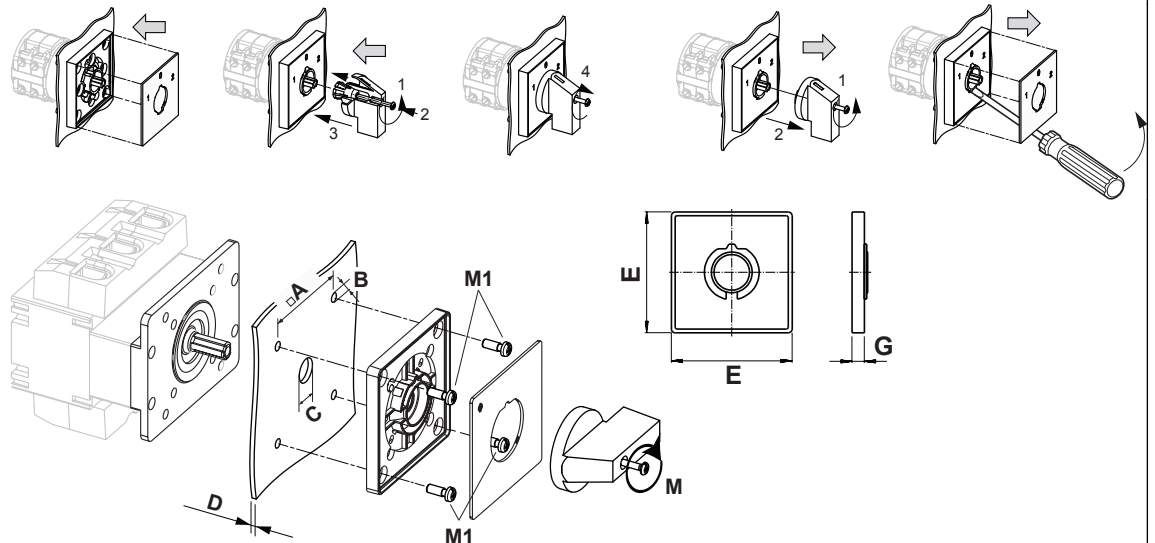
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-E

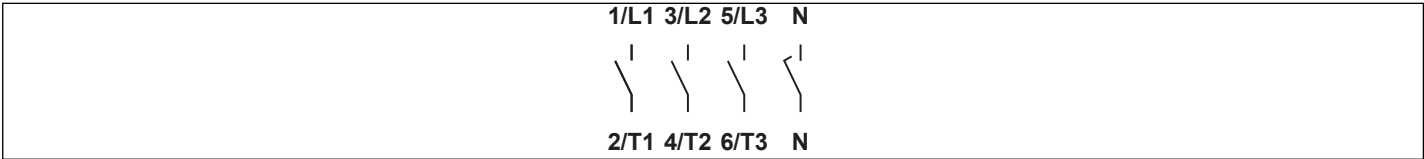


|                      |     |                  |
|----------------------|-----|------------------|
| IP - Code front side |     | IP66, IP67       |
| Stages               |     | 1,00 - 12,00     |
| A                    | □   | 68,00 mm         |
| B                    | ∅   | 6,00 mm          |
| C                    | ∅   | 13,00 - 17,00 mm |
| D                    | H   | <= 5,50 mm       |
| E                    | H   | 88,00 mm         |
| G                    | H   | 8,50 mm          |
| M                    | M̂  | 1,20 Nm          |
| M1                   | M̂1 | 1,50 Nm          |



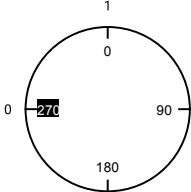
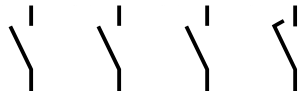
Wiring diagram

KG125.T304.E



## Switch program

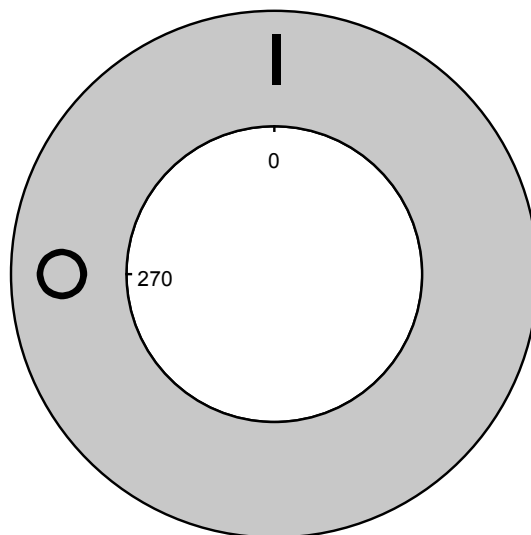
KG125.T304.E

|  Kraus & Naimer         |     | KG125                                                                              |                                                                                    | T304                                                                               |                                                                                    | Page 1 of 1 |    |    |    |
|----------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------|----|----|----|
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
| <b>Face Plate</b><br>   |     | 1/L1<br>1                                                                          | 3/L2<br>3                                                                          | 5/L3<br>5                                                                          | N<br>7                                                                             | 9           | 11 | 13 | 15 |
|                                                                                                          |     |   |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
| Switching Angle <input type="text" value="90"/><br>Total switching Angle <input type="text" value="90"/> |     | 2<br>2/T1                                                                          | 4<br>4/T2                                                                          | 6<br>6/T3                                                                          | 8<br>N                                                                             | 10          | 12 | 14 | 16 |
| 0                                                                                                        | 270 |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
| 1                                                                                                        | 0   |  |  |  |  |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          | 90  |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          | 180 |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |
|                                                                                                          |     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |             |    |    |    |

Version: 84

## Face plate

S2.F456/C10.V11





Sample image

## PADLOCK DEVICE

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

**Designation:** S2.V840D/A7-E

**Colour of F-handle ring:** "A" black

**Colour of face ring:** "7" electro-grey

**Type of mounting:** "-E" for type of mounting E for KG125/KG160, KG250/KG315

