

# NEOZED DO fuse-links gG 400/440VAC

LOW VOLTAGE IEC FUSES

DIN LV FUSE-LINKS DO



The DO fuse-system is installed in low voltage distribution units, where fuse-links are accessible to non trained persons and can also be replaced by them.

The system is the most modern of the screw systems and designed for 400VAC/250VDC networks.

The DO fuse range comprises the standardized fuse sizes D01, D02 and D03.

The range of applications for DO fuse-links for general application is the protection of cables and power lines. They limit and cut off unacceptable overcurrents and short circuit currents up to their nominal breaking capacity. DO fuse-links “gG” also protect equipments and installations against dynamic effects of high short circuit currents.

## TECHNICAL DATA OVERVIEW

|                      |                 |
|----------------------|-----------------|
| Voltage Range AC     | 400 ... 440 VAC |
| Voltage DC           | 250 VDC         |
| Ampere Range (A)     | 2 ... 100 A     |
| Speed/Characteristic | gG              |
| I.R. AC (IEC)        | 100 kA          |
| Product Size         | D01 to D03      |

## FEATURES & BENEFITS

- Insulated body suitable for high mechanical and thermal impacts
- Top and bottom contacts made of nickel plated or silver plated copper alloy
- Safe cut-off short circuits and over currents due to special design of fuse element
- Clear indication of operation condition due to coloured indicator on top contact
- Low power dissipation
- Optimized size
- Resistant to aging

## APPLICATIONS

- House incoming units
- Meter distribution units
- Distribution cabinets
- Installation cabinets
- Fuse boxes

## STANDARDS

- DIN VDE 0636-3



# NEOZED DO fuse-links gG 400/440VAC

## PRODUCT RANGE



D01GG40V2

### Size D01 (E14) gG

| Catalog number | Item number | Rated voltage AC (IEC) | Rated voltage DC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Package | Weight |
|----------------|-------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|---------|--------|
| D01GG40V2      | T214676     | 400 V                  | 250 V                  | 2 A                          | pink   | 1.5 W                               | gG                   | 50      | 6.6 g  |
| D01GG40V4      | W200809     | 400 V                  | 250 V                  | 4 A                          | brown  | 1.6 W                               | gG                   | 50      | 6.6 g  |
| D01GG40V6      | B215695     | 400 V                  | 250 V                  | 6 A                          | green  | 1.7 W                               | gG                   | 50      | 6.6 g  |
| D01GG40V10     | W211090     | 400 V                  | 250 V                  | 10 A                         | red    | 1.8 W                               | gG                   | 50      | 6.6 g  |
| D01GG40V13     | C201206     | 400 V                  | 250 V                  | 13 A                         | black  | 2.1 W                               | gG                   | 50      | 6.6 g  |
| D01GG40V16     | R223023     | 400 V                  | 250 V                  | 16 A                         | grey   | 2.2 W                               | gG                   | 50      | 6.6 g  |



D02GG40V20

### Size D02 (E18) gG

| Catalog number | Item number | Rated voltage AC (IEC) | Rated voltage DC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Package | Weight |
|----------------|-------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|---------|--------|
| D02GG40V20     | B217742     | 400 V                  | 250 V                  | 20 A                         | blue   | 2 W                                 | gG                   | 50      | 12 g   |
| D02GG40V25     | W213160     | 400 V                  | 250 V                  | 25 A                         | yellow | 3 W                                 | gG                   | 50      | 12 g   |
| D02GG40V32     | S227647     | 400 V                  | 250 V                  | 32 A                         | black  | -                                   | gG                   | 50      | 12 g   |
| D02GG40V35     | R219826     | 400 V                  | 250 V                  | 35 A                         | black  | 3.9 W                               | gG                   | 50      | 12 g   |
| D02GG40V40     | Q1028666    | 400 V                  | 250 V                  | 40 A                         | black  | 3.9 W                               | gG                   | 50      | 12 g   |
| D02GG40V50     | D215191     | 400 V                  | 250 V                  | 50 A                         | white  | 4.7 W                               | gG                   | 50      | 12 g   |
| D02GG40V63     | C201873     | 400 V                  | 250 V                  | 63 A                         | copper | 5.4 W                               | gG                   | 50      | 12 g   |



D03GG40V80

### Size D03 (M30x2) gG

| Catalog number | Item number | Rated voltage AC (IEC) | Rated voltage DC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Package | Weight |
|----------------|-------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|---------|--------|
| D03GG40V80     | L216716     | 400 V                  | 250 V                  | 80 A                         | silver | 5.6 W                               | gG                   | 10      | 41 g   |
| D03GG40V100    | N212647     | 400 V                  | 250 V                  | 100 A                        | red    | 6.7 W                               | gG                   | 10      | 41 g   |

### Size D01 (E14) gG Marine



D01GG44V10

| Catalog number | Item number | Rated voltage AC (IEC) | Rated voltage DC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Package | Weight |
|----------------|-------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|---------|--------|
| D01GG44V2      | E218780     | 440 V                  | 250 V                  | 2 A                          | pink   | 1.5 W                               | gG                   | 50      | 6.6 g  |
| D01GG44V4      | V219829     | 440 V                  | 250 V                  | 4 A                          | brown  | 1.6 W                               | gG                   | 50      | 6.6 g  |
| D01GG44V6      | X223028     | 440 V                  | 250 V                  | 6 A                          | green  | 1.7 W                               | gG                   | 50      | 6.6 g  |
| D01GG44V10     | S201358     | 440 V                  | 250 V                  | 10 A                         | red    | 1.8 W                               | gG                   | 50      | 6.6 g  |
| D01GG44V16     | C211096     | 440 V                  | 250 V                  | 16 A                         | grey   | 2.2 W                               | gG                   | 50      | 6.6 g  |

# NEOZED D0 fuse-links gG 400/440VAC

## PRODUCT RANGE

### Size D02 (E18) gG Marine



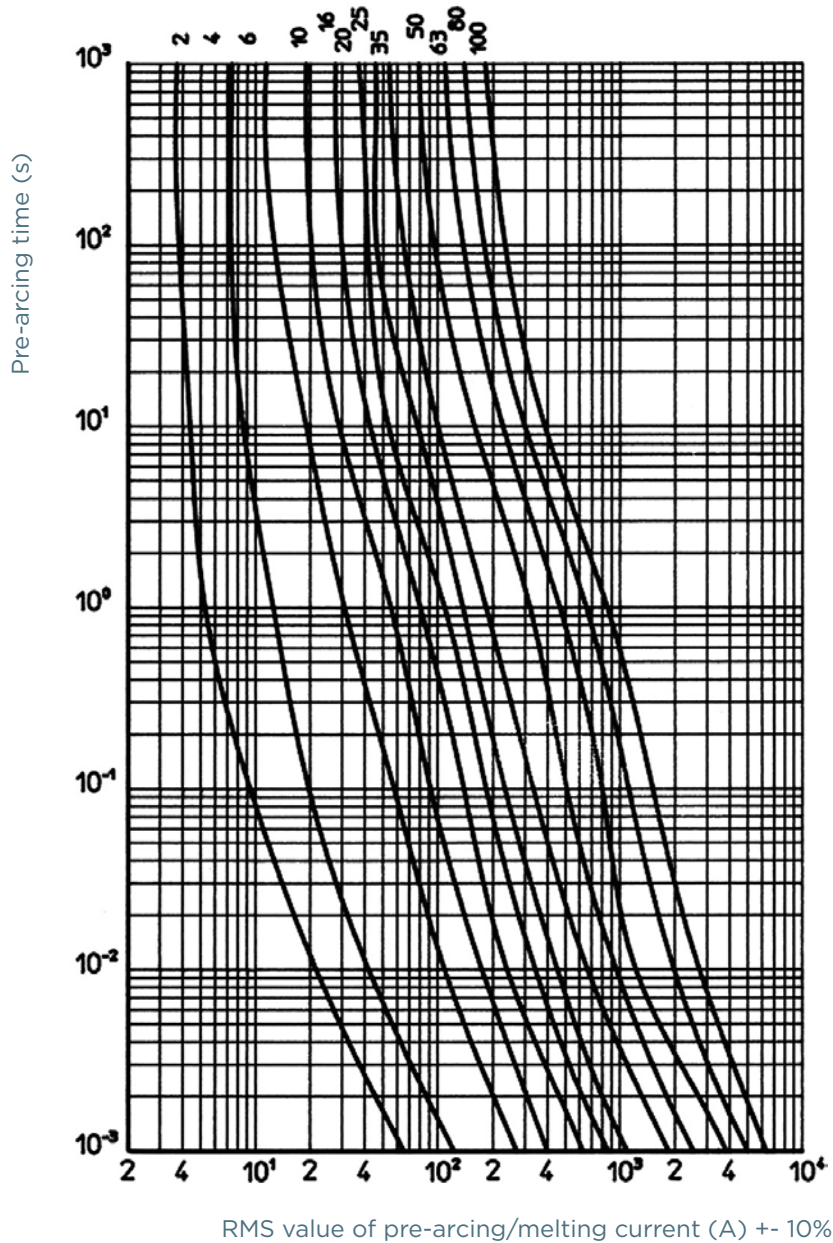
D02GG44V25

| Catalog number | Item number | Rated voltage AC (IEC) | Rated voltage DC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Package | Weight |
|----------------|-------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|---------|--------|
| D02GG44V20     | X212126     | 440 V                  | 250 V                  | 20 A                         | blue   | 2 W                                 | gG                   | 50      | 12.6 g |
| D02GG44V25     | S213663     | 440 V                  | 250 V                  | 25 A                         | yellow | 3 W                                 | gG                   | 50      | 12.6 g |
| D02GG44V35     | C214684     | 440 V                  | 250 V                  | 35 A                         | black  | 3.9 W                               | gG                   | 50      | 12.6 g |
| D02GG44V50     | J215702     | 440 V                  | 250 V                  | 50 A                         | white  | 4.7 W                               | gG                   | 50      | 12.6 g |
| D02GG44V63     | N216718     | 440 V                  | 250 V                  | 63 A                         | copper | 5.4 W                               | gG                   | 50      | 12.6 g |

# NEOZED D0 fuse-links gG 400/440VAC

## TIME CURRENT CHARACTERISTIC CURVES

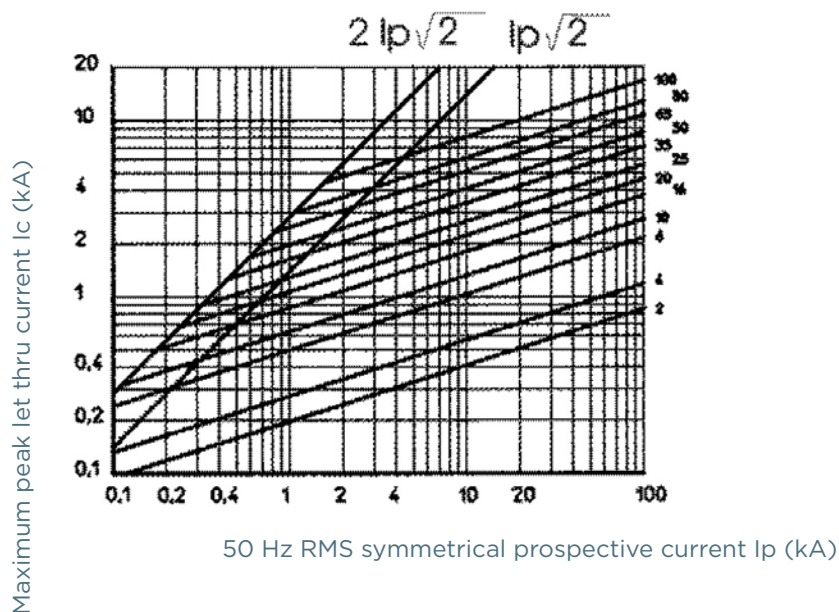
### NEOZED D0 fuse-links gG 400/440VAC



# NEOZED D0 fuse-links gG 400/440VAC

## CUT-OFF CURRENT CHARACTERISTIC

### NEOZED D0 fuse-links gG 400/440VAC



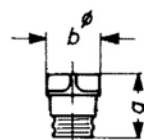
## DIMENSIONS

### NEOZED Fuse-Links

| Size | a     | b     |
|------|-------|-------|
| D01  | 36 mm | 11 mm |
| D02  | 36 mm | 15 mm |
| D03  | 43 mm | 22 mm |

Dimensions in mm

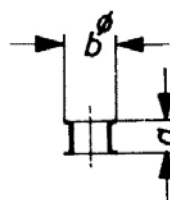
### NEOZED Screw Caps



| Article Number | a    | b  |
|----------------|------|----|
| 01714.000000   | 29,5 | 23 |
| 01715.000000   | 29,5 | 23 |
| 01710.000000   | 31   | 25 |
| 01711.000000   | 31   | 25 |
| 01712.000000   | 37   | 40 |

Dimensions in mm

### NEOZED Adapter Inserts



| Article Number | a  | b  |
|----------------|----|----|
| 01705.000000   | 10 | 12 |
| 01706.000000   | 10 | 16 |
| 01707.000000   | 10 | 27 |

Dimensions in mm

# NEOZED D0 fuse-links gG 400/440VAC

## ACCESSORIES



01714.000200



01715.000000



01711.000200



01770.000200

### Screw caps

| Catalog number                                                           | Item number | Features                                                   | Package | Weight |
|--------------------------------------------------------------------------|-------------|------------------------------------------------------------|---------|--------|
| <b>D0 screw caps 400VAC synthetic</b>                                    |             |                                                            |         |        |
| 01714.000200                                                             | E212501     | D01, E14, 16A, with testing hole                           | 20      | 11.8 g |
| 01715.000200                                                             | P211981     | D02, E18, 63A, with testing hole                           | 20      | 11.6 g |
| 11714.000220                                                             | R214536     | D01, E14, 16A, with sealing and testing hole               | 20      | 11.6 g |
| 11715.000220                                                             | S214537     | D02, E18, 63A, with sealing and testing hole               | 20      | 11.6 g |
| 01715.000000                                                             | L206435     | D02, E18, 63A, without testing hole                        | 20      | 12 g   |
| 01715.890200                                                             | M214026     | D02, E18, 63A, with adapter insert for fuse links size D01 | 20      | 12.4 g |
| <b>D0 screw caps 400/440 VAC, 250 V DC porcelain, with removal grips</b> |             |                                                            |         |        |
| 01711.000200                                                             | T215044     | D02, E18, 63A, with testing hole                           | 20      | 18.5 g |
| 01712.000200                                                             | V215045     | D03, M30x2, 100A, with testing hole                        | 10      | 84 g   |
| 01770.000200                                                             | F1033740    | D01, E14, 16A, with testing hole                           | 20      | 16.4 g |

### D0 Screw cap wrench

| Catalog number | Item number | Features         | Package | Weight |
|----------------|-------------|------------------|---------|--------|
| 01716.000000   | X222936     | Screw cap wrench | 1       | 30 g   |



01716.000000

### D0 cartridge ring adapter inserts D01 E14

| Catalog number | Item number | Features  | Package | Weight |
|----------------|-------------|-----------|---------|--------|
| 01705.002000   | J216576     | 2A, pink  | 50      | 0.4 g  |
| 01705.004000   | J219681     | 4A, brown | 50      | 0.4 g  |
| 01705.006000   | P206438     | 6A, green | 50      | 0.4 g  |
| 01705.010000   | M213014     | 10A, red  | 50      | 0.4 g  |



01705.006000



01705.010000

### D0 cartridge ring adapter inserts D02 E18

| Catalog number | Item number | Application                          | Features    | Package | Weight |
|----------------|-------------|--------------------------------------|-------------|---------|--------|
| 01706.002000   | K216577     | For D01 fuse links in D02 fuse bases | 2A, pink    | 50      | 0.6 g  |
| 01706.004000   | S222127     | For D01 fuse links in D02 fuse bases | 4A, brown   | 50      | 0.6 g  |
| 01706.006000   | R211983     | For D01 fuse links in D02 fuse bases | 6A, green   | 50      | 0.6 g  |
| 01706.010000   | H216069     | For D01 fuse links in D02 fuse bases | 10A, red    | 50      | 0.6 g  |
| 01706.016000   | Q218629     | For D01 fuse links in D02 fuse bases | 16A, grey   | 50      | 0.5 g  |
| 01706.020000   | S200668     | For D02 fuse links                   | 20A, blue   | 50      | 0.5 g  |
| 01706.025000   | R213524     | For D02 fuse links                   | 25A, yellow | 50      | 0.6 g  |
| 01706.035000   | J216070     | For D02 fuse links                   | 35A, black  | 50      | 0.5 g  |
| 01706.050000   | R218630     | For D02 fuse links                   | 50A, white  | 50      | 0.6 g  |



01706.002000



01706.020000

### D0 cartridge ring adapter inserts D03 M30x2

| Catalog number | Item number | Features    | Package | Weight |
|----------------|-------------|-------------|---------|--------|
| 01707.080000   | T200669     | 80A, silver | 20      | 1.6 g  |



01707.080000

# NEOZED D0 fuse-links gG 400/440VAC

## ACCESSORIES



01714.800000



01715.810000



01714.830000



01714.820000

### Locking devices

| Catalog number | Item number | Design | Features                                                              | Package | Weight |
|----------------|-------------|--------|-----------------------------------------------------------------------|---------|--------|
| 01714.810000   | P213062     | -      | Locking cap for D01 E14 fuse-bases                                    | 5       | 12.4 g |
| 01714.800000   | D212546     | -      | Locking cap for D01 E14 fuse-bases for authorized personal only (EVU) | 5       | 12.2 g |
| 01715.810000   | Y215094     | -      | Locking cap for D02 E18 fuse-bases                                    | 5       | 13.7 g |
| 01715.800000   | R214582     | -      | Locking cap for D02 E18 fuse-bases for authorized personal only (EVU) | 5       | 14 g   |
| 01714.830000   | J214069A    | -      | Special key for locking caps                                          | 1       | 43 g   |
| 01714.820000   | K213564     | -      | Special key for locking caps for authorized personal only (EVU)       | 1       | 32.5 g |



01713.000000

### Adapter inserts

| Catalog number | Item number | Features                                          | Package | Weight |
|----------------|-------------|---------------------------------------------------|---------|--------|
| 01709.000000   | P214028     | Adapter for Size D02 fuse-links in Size D03 bases | 25      | 1.3 g  |
| 01713.000000   | Z215049     | Adapter for Size D01 fuse-links in Size D02 bases | 50      | 0.9 g  |
| 01733.000000   | J218117     | Adapter for Size D01 fuse-links in DL-bases       | 100     | 0.2 g  |



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