

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

LOW VOLTAGE IEC FUSES

DIN LV FUSE-LINKS D0



The D0 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 D0 fuse range comprises the standardized fuse sizes D01, D02 and D03.

The range of applications for D0 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. D0 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/aM           |
| 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/aM 400/440VAC

## PRODUCT RANGE



D01GG40V2

### Size D01 (E14) gG

| Catalog number | Reference 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 | Weight | Package |
|----------------|------------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D01GG40V2      | T214676          | 400 V                  | 250 V                  | 2 A                          | pink   | 1.5 W                               | gG                   | 6.6 g  | 50      |
| D01GG40V4      | W200809          | 400 V                  | 250 V                  | 4 A                          | brown  | 1.5 W                               | gG                   | 6.6 g  | 50      |
| D01GG40V6      | B215695          | 400 V                  | 250 V                  | 6 A                          | green  | 1.3 W                               | gG                   | 6.6 g  | 50      |
| D01GG40V10     | W211090          | 400 V                  | 250 V                  | 10 A                         | red    | 1.8 W                               | gG                   | 6.6 g  | 50      |
| D01GG40V13     | C201206          | 400 V                  | 250 V                  | 13 A                         | black  | -                                   | gG                   | 6.6 g  | 50      |
| D01GG40V16     | R223023          | 400 V                  | 250 V                  | 16 A                         | grey   | 2.1 W                               | gG                   | 6.6 g  | 50      |



D02GG40V20

### Size D02 (E18) gG

| Catalog number | Reference 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 | Weight | Package |
|----------------|------------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D02GG40V20     | B217742          | 400 V                  | 250 V                  | 20 A                         | blue   | 2.3 W                               | gG                   | 12.6 g | 50      |
| D02GG40V25     | W213160          | 400 V                  | 250 V                  | 25 A                         | yellow | 2.6 W                               | gG                   | 12.6 g | 50      |
| D02GG40V32     | S227647          | 400 V                  | 250 V                  | 32 A                         | black  | -                                   | gG                   | 12.6 g | 50      |
| D02GG40V35     | R219826          | 400 V                  | 250 V                  | 35 A                         | black  | 2.9 W                               | gG                   | 14 g   | 50      |
| D02GG40V50     | D215191          | 400 V                  | 250 V                  | 50 A                         | white  | 3.5 W                               | gG                   | 12.6 g | 50      |
| D02GG40V63     | C201873          | 400 V                  | 250 V                  | 63 A                         | copper | 4.2 W                               | gG                   | 11.8 g | 50      |



D03GG40V100

### Size D03 (M30x2) gG

| Catalog number | Reference 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 | Weight | Package |
|----------------|------------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D03GG40V100    | N212647          | 400 V                  | 250 V                  | 100 A                        | red    | 5.2 W                               | gG                   | 41 g   | 10      |
| D03GG40V80     | L216716          | 400 V                  | 250 V                  | 80 A                         | silver | 4.9 W                               | gG                   | 41 g   | 10      |



D01GG44V2

### Size D01 (E14) gG Marine

| Catalog number | Reference 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 | Weight | Package |
|----------------|------------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D01GG44V2      | E218780          | 440 V                  | 250 V                  | 2 A                          | pink   | 1.5 W                               | gG                   | 6.6 g  | 50      |
| D01GG44V4      | V219829          | 440 V                  | 250 V                  | 4 A                          | brown  | 1.5 W                               | gG                   | 6.6 g  | 50      |
| D01GG44V6      | X223028          | 440 V                  | 250 V                  | 6 A                          | green  | 1.3 W                               | gG                   | 6.6 g  | 50      |
| D01GG44V10     | S201358          | 440 V                  | 250 V                  | 10 A                         | red    | 1.8 W                               | gG                   | 6.6 g  | 50      |
| D01GG44V16     | C211096          | 440 V                  | 250 V                  | 16 A                         | grey   | -                                   | gG                   | 6.6 g  | 50      |



D02GG44V25

### Size D02 (E18) gG Marine

| Catalog number | Reference 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 | Weight | Package |
|----------------|------------------|------------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D02GG44V20     | X212126          | 440 V                  | 250 V                  | 20 A                         | blue   | 2.1 W                               | gG                   | 12.6 g | 50      |
| D02GG44V25     | S213663          | 440 V                  | 250 V                  | 25 A                         | yellow | 2.3 W                               | gG                   | 12.6 g | 50      |
| D02GG44V35     | C214684          | 440 V                  | 250 V                  | 35 A                         | black  | 2.9 W                               | gG                   | 12.6 g | 50      |
| D02GG44V50     | J215702          | 440 V                  | 250 V                  | 50 A                         | white  | 3.5 W                               | gG                   | 12.6 g | 50      |
| D02GG44V63     | N216718          | 440 V                  | 250 V                  | 63 A                         | copper | 4.2 W                               | gG                   | 12.6 g | 50      |

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

## PRODUCT RANGE



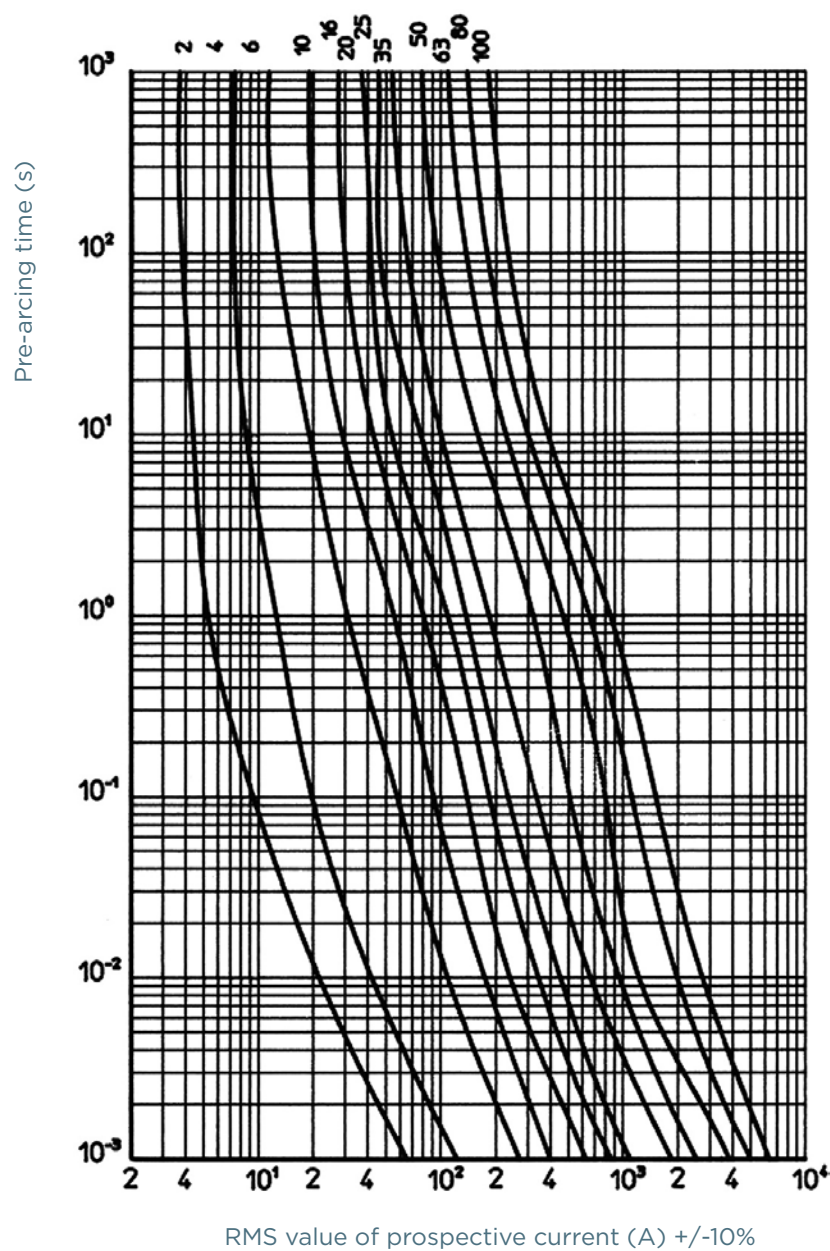
D02AM44V20

### Size D02 (E18) aM

| Catalog number | Reference number | Rated voltage AC (IEC) | Rated current I <sub>n</sub> | Colour | Power dissipation at I <sub>n</sub> | Utilisation category | Weight | Package |
|----------------|------------------|------------------------|------------------------------|--------|-------------------------------------|----------------------|--------|---------|
| D02AM44V20     | H211607          | 440 V                  | 20 A                         | blue   | 2.5 W                               | aM                   | 13.2 g | 10      |
| D02AM44V25     | F212640          | 440 V                  | 25 A                         | yellow | 3 W                                 | aM                   | 13.2 g | 10      |
| D02AM44V35     | J213655          | 440 V                  | 35 A                         | black  | 4 W                                 | aM                   | 13.2 g | 10      |

## TIME CURRENT CHARACTERISTIC CURVES

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

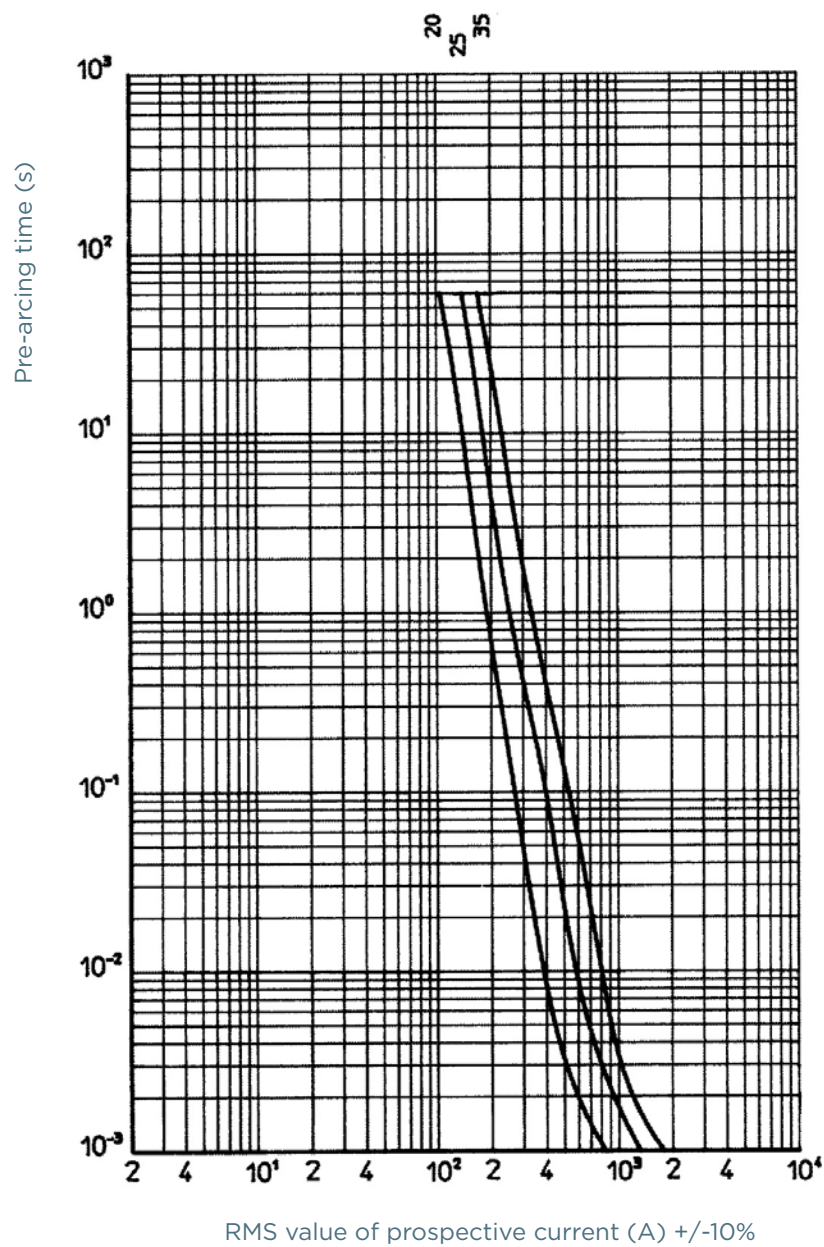


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# NEOZED D0 fuse-links gG/aM 400/440VAC

## TIME CURRENT CHARACTERISTIC CURVES

NEOZED D0 fuse-links aM 400/440VAC

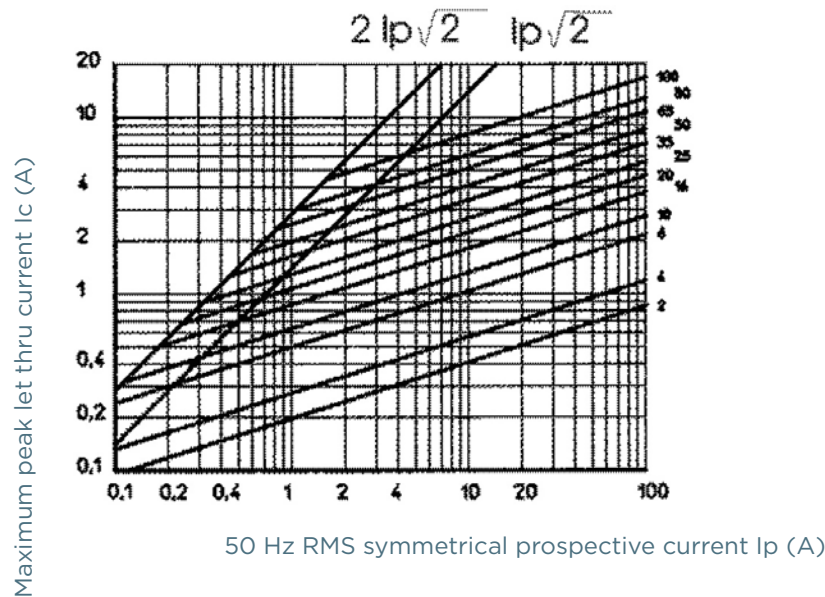


MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

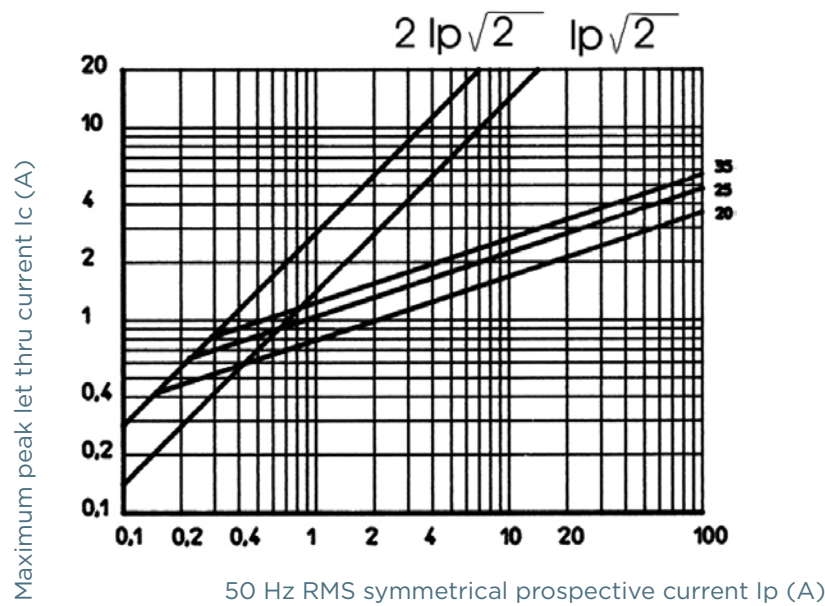
# NEOZED D0 fuse-links gG/aM 400/440VAC

## CUT-OFF CURRENT CHARACTERISTIC

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



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



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

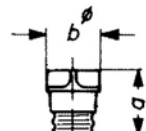
## DIMENSIONS

### NEOZED Fuse-Links

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

Dimensions in mm

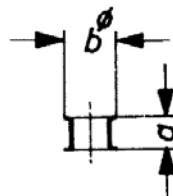
### NEOZED Screw Caps



| 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

## ACCESSORIES

### D0 screw caps 400V AC synthetic



01714.000200

01715.000200



11714.000220

11715.000220



01715.000000

01716.333000

| Catalog number | Reference number | Description                                                | Weight | Package |
|----------------|------------------|------------------------------------------------------------|--------|---------|
| 01714.000200   | E212501          | D01, E14, 16A, with testing hole                           | 11.8 g | 20      |
| 01715.000200   | P211981          | D02, E18, 63A, with testing hole                           | 11.6 g | 20      |
| 11714.000220   | R214536          | D01, E14, 16A, with sealing and testing hole               | 11.6 g | 20      |
| 11715.000220   | S214537          | D02, E18, 63A, with sealing and testing hole               | 11.6 g | 20      |
| 01715.000000   | L206435          | D02, E18, 63A, without testing hole                        | 12 g   | 20      |
| 01715.890200   | M214026          | D02, E18, 63A, with adapter insert for fuse links size D01 | 12.4 g | 20      |
| 01716.333000   | F200726          | Screw cap wrench, with bottle opener                       | 30 g   | 1       |

### D0 screw caps 400/440 VAC, 250 V DC porcelain, with removal grips



01711.000200

01770.000200

| Catalog number | Reference number | Description                         | Weight | Package |
|----------------|------------------|-------------------------------------|--------|---------|
| 01710.000200   | H201211          | D01, E14, 16A, with testing hole    | 16.4 g | 20      |
| 01711.000200   | T215044          | D02, E18, 63A, with testing hole    | 18.5 g | 20      |
| 01712.000200   | V215045          | D03, M30x2, 100A, with testing hole | 84 g   | 10      |
| 01770.000200   | F1033740         | D01, E14, 16A, with testing hole    | 16.4 g | 20      |

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

## ACCESSORIES



01705.002000



01705.004000



01705.006000



01705.010000



01708.000000

### D0 cartridge ring adapter inserts    D01 E14

| Catalog number | Reference number | Description                                                                                      | Weight | Package |
|----------------|------------------|--------------------------------------------------------------------------------------------------|--------|---------|
| 01705.002000   | J216576          | 2A, pink                                                                                         | 0.4 g  | 50      |
| 01705.004000   | J219681          | 4A, brown                                                                                        | 0.4 g  | 50      |
| 01705.006000   | P206438          | 6A, green                                                                                        | 0.4 g  | 50      |
| 01705.010000   | M213014          | 10A, red                                                                                         | 0.4 g  | 50      |
| 01708.000000   | J212505          | Screw removal and insertion key to remove and insert cartridge ring adapter inserts size D01-D03 | 19.7 g | 1       |

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

## ACCESSORIES

### D0 cartridge ring adapter inserts D02 E18

| Catalog number | Reference number | Description | Application                          | Weight | Package |
|----------------|------------------|-------------|--------------------------------------|--------|---------|
| 01706.020000   | S200668          | 20A, blue   | -                                    | 0.5 g  | 50      |
| 01706.025000   | R213524          | 25A, yellow | -                                    | 0.6 g  | 50      |
| 01706.035000   | J216070          | 35A, black  | -                                    | 0.5 g  | 50      |
| 01706.050000   | R218630          | 50A, white  | -                                    | 0.7 g  | 50      |
| 01706.002000   | K216577          | 2A, pink    | For D01 fuse links in D02 fuse bases | 0.5 g  | 50      |
| 01706.004000   | S222127          | 4A, brown   | For D01 fuse links in D02 fuse bases | 0.6 g  | 50      |
| 01706.006000   | R211983          | 6A, green   | For D01 fuse links in D02 fuse bases | 0.6 g  | 50      |
| 01706.010000   | H216069          | 10A, red    | For D01 fuse links in D02 fuse bases | 0.6 g  | 50      |
| 01706.016000   | Q218629          | 16A, grey   | For D01 fuse links in D02 fuse bases | 0.5 g  | 50      |



### D0 cartridge ring adapter inserts D03 M30x2

| Catalog number | Reference number | Description | Weight | Package |
|----------------|------------------|-------------|--------|---------|
| 01707.080000   | T200669          | 80A, silver | 1.6 g  | 20      |



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

## ACCESSORIES



01714.800000



01714.830000



01714.820000



01707.000000



01713.000000

### Locking devices

| Catalog number | Reference number | Description                                                           | Weight | Package |
|----------------|------------------|-----------------------------------------------------------------------|--------|---------|
| 01714.800000   | D212546          | Locking cap for D01 E14 fuse-bases for authorized personal only (EVU) | 12.2 g | 5       |
| 01714.810000   | P213062          | Locking cap for D01 E14 fuse-bases                                    | 12.4 g | 5       |
| 01714.820000   | K213564          | Special key for locking caps for authorized personal only (EVU)       | 32.5 g | 1       |
| 01714.830000   | J214069          | Special key for locking caps                                          | 32.9 g | 1       |
| 01715.800000   | R214582          | Locking cap for D02 E18 fuse-bases for authorized personal only (EVU) | 14 g   | 5       |
| 01715.810000   | Y215094          | Locking cap for D02 E18 fuse-bases                                    | 13.7 g | 5       |

### Adapter inserts

| Catalog number | Reference number | Description                                                      | Weight | Package |
|----------------|------------------|------------------------------------------------------------------|--------|---------|
| 01707.000000   | T211985          | Adapter (space holder) for Size D02 fuse-links in Size D03 bases | 17.4 g | 30      |
| 01709.000000   | P214028          | Adapter for Size D02 fuse-links in Size D03 bases                | 1.3 g  | 25      |
| 01713.000000   | Z215049          | Adapter for Size D01 fuse-links in Size D02 bases                | 0.9 g  | 50      |
| 01733.000000   | J218117          | Adapter for Size D01 fuse-links in DL-bases                      | 0.2 g  | 100     |