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LOW VOLTAGE FUSES



Low voltage fuse-links

Fuse-link D

Rated current **2-200 A** Fusing characteristics **gG, TDZ, DZ**

D fuse-links for use by unskilled persons for domestic and similar applications are used as the most reliable protection of electrical installation, control and signal circuits against overload and short-circuit currents.

The whole system D contains a complete range of five physical sizes DI, DII, DIII, DIV and DV fuse-links, standard ceramic and new plastic fuse bases and all necessary accessories. It is dimensioned for rated voltages 500 V, 690 V, 750 V and 1200 V a.c. resp. 500 V or 600 V d.c. with AC 50 kA and DC 8 kA rated breaking capacity.

The system D is intended to be used in residential, business and similar buildings. When it is used in industrial installations, it is necessary to take into account the requirements of the standard IEC 60664-1 concerning the insulation coordination for equipment within low-voltage systems.

All fuse-links have blown-fuse indicators which are visible through the Screw cap when mounted. Fuse-links, fuse bases, caps and fuse-disconnectors are tested and certified according to IEC 60269-3-1, DIN EN 60269-3, DIN VDE 0636-301, HD 630.3.1 and DIN EN 60269-1.



DI for fuse base E 16

| I _n [A] | Colour | Code No. DZ* | Code No. gG, TDZ* | Weight [g] | Packaging [pcs] |
|--------------------|--------|--------------|-------------------|------------|-----------------|
| 2 | pink | 002311101 | 002311401 | 12 | 10/500 |
| 4 | brown | 002311102 | 002311402 | 12 | 10/500 |
| 6 | green | 002311103 | 002311403 | 12 | 10/500 |
| 10 | red | 002311104 | 002311404 | 13 | 10/500 |
| 16 | grey | 002311105 | 002311405 | 14 | 10/500 |
| 20 | blue | 002311106 | 002311406 | 15 | 10/500 |
| 25 | yellow | 002311107 | 002311407 | 16 | 10/500 |

DII for fuse base E 27

| I _n [A] | Colour | Code No. DZ* | Code No. gG, TDZ* | Weight [g] | Packaging [pcs] |
|--------------------|--------|--------------|-------------------|------------|-----------------|
| 2 | pink | 002312101 | 002312401 | 27 | 5/500 |
| 4 | brown | 002312102 | 002312402 | 27 | 5/500 |
| 6 | green | 002312103 | 002312403 | 27 | 5/500 |
| 10 | red | 002312104 | 002312404 | 27 | 5/500 |
| 13 | black | | 002312409 | 27 | 5/500 |
| 16 | grey | 002312105 | 002312405 | 28 | 5/500 |
| 20 | blue | 002312106 | 002312406 | 29 | 5/500 |
| 25 | yellow | 002312107 | 002312407 | 30 | 5/500 |

DIII for fuse base E 33

| I _n [A] | Colour | Code No. DZ* | Code No. gG, TDZ* | Weight [g] | Packaging [pcs] |
|--------------------|--------|--------------|-------------------|------------|-----------------|
| 32 | black | | 002313404 | 48 | 5/250 |
| 35 | black | 002313101 | 002313401 | 48 | 5/250 |
| 40 | black | | 002313405 | 48 | 5/250 |
| 50 | white | 002313102 | 002313402 | 49 | 5/250 |
| 63 | copper | 002313103 | 002313403 | 52 | 5/250 |

* DZ and TDZ time-current characteristics correspond to standard CEE16 from 1970 as date of issue. DZ refers to a "fast" or in German "flink" fuse, in the meantime TDZ refers to a "slow" or in German "Traege" fuse.

In accordance with the development of standards, TDZ time-current characteristics were uniformed with gG time-current characteristic according to IEC 60269-2 and VDE 0636-301, so now both characteristics are unified and their meaning stays the same - "slow" means TDZ and gG at the same time.

DZ time-current characteristics remain unchanged. It is faster than TDZ, but in any case DZ characteristics should not be compared with gR or aR time-current characteristics which are designed for power semiconductor protection.

Low voltage fuse-links

DIII AC 690V, DC 600V

| I_n [A] | Colour | Code No. gG | Weight [g] | Packaging [pcs] |
|--------------|--------|----------------|---------------|--------------------|
| 2 | pink | 002313501 | 68 | 5/200 |
| 4 | brown | 002313502 | 68 | 5/200 |
| 6 | green | 002313503 | 68 | 5/200 |
| 10 | red | 002313504 | 69 | 5/200 |
| 16 | grey | 002313505 | 69 | 5/200 |
| 20 | blue | 002313506 | 71 | 5/200 |
| 25 | yellow | 002313507 | 72 | 5/200 |
| 35 | black | 002313508 | 78 | 5/200 |
| 50 | white | 002313509 | 80 | 5/200 |
| 63 | copper | 002313510 | 80 | 5/200 |

These fuse links require fuse carriers with special dimensions. Please contact support for more information.

DIII 750V gF

| I_n [A] | Colour | Code No. gF | Weight [g] | Packaging [pcs] |
|--------------|--------|----------------|---------------|--------------------|
| 2 | pink | 002313601 | 68 | 5/200 |
| 4 | brown | 002313602 | 68 | 5/200 |
| 6 | green | 002313603 | 68 | 5/200 |
| 10 | red | 002313604 | 69 | 5/200 |
| 16 | grey | 002313605 | 69 | 5/200 |
| 20 | blue | 002313606 | 71 | 5/200 |
| 25 | yellow | 002313607 | 72 | 5/200 |
| 35 | black | 002313608 | 78 | 5/200 |
| 50 | white | 002313609 | 80 | 5/200 |
| 63 | copper | 002313610 | 80 | 5/200 |

These fuse links require fuse carriers with special dimensions. Please contact support for more information.

DIII AC 1200V 3-channel gF

| I_n [A] | Colour | Code No. gF | Weight [g] | Packaging [pcs] |
|--------------|--------|----------------|---------------|--------------------|
| 2 | pink | 002313620 | 68 | 5/200 |
| 4 | brown | 002313621 | 68 | 5/200 |
| 6 | green | 002313622 | 68 | 5/200 |
| 10 | red | 002313623 | 69 | 5/200 |
| 16 | grey | 002313624 | 69 | 5/200 |
| 20 | blue | 002313625 | 71 | 5/200 |
| 25 | yellow | 002313626 | 72 | 5/200 |
| 35 | black | 002313627 | 78 | 5/200 |

These fuse links require fuse carriers with special dimensions and special fuse bases. Please contact support for more information.

DIV for fuse base R1 1/4"

| I_n [A] | Colour | Code No. DZ* | Code No. gG, TDZ* | Weight [g] | Packaging [pcs] |
|--------------|--------|-----------------|----------------------|---------------|--------------------|
| 80 | silver | 002314101 | 002314401 | 105 | 3/48 |
| 100 | red | 002314102 | 002314402 | 110 | 3/48 |

DV for fuse base R 2"

| I_n [A] | Colour | Code No. DZ* | Code No. gG, TDZ* | Weight [g] | Packaging [pcs] |
|--------------|--------|-----------------|----------------------|---------------|--------------------|
| 125 | yellow | 002315101 | 002315401 | 185 | 10/60 |
| 160 | copper | 002315102 | 002315402 | 210 | 10/60 |
| 200 | blue | 002315103 | 002315403 | 215 | 10/60 |



Fuse bases

1-pole fuse base

Rated current
25, 63 A



Fuse base EZN, EZV

| Type | I_n [A] | Code No. | Screw | Weight [g] | Packaging [psc] |
|------------|--------------|-----------|-------|---------------|--------------------|
| EZN 25° | 25 | 002322009 | E27 | 104 | 15/120 |
| EZV 25 | 25 | 002322011 | E27 | 102 | 15/105 |
| EZN 25-ZP* | 25 | 002322016 | E27 | 120 | 10/70 |
| EZV 25-ZP* | 25 | 002322017 | E27 | 112 | 10/60 |
| EZN 63° | 63 | 002323008 | E33 | 148 | 15/90 |
| EZV 63 | 63 | 002323010 | E33 | 146 | 15/90 |
| EZN 63-ZP* | 63 | 002323028 | E33 | 163 | 10/60 |
| EZV 63-ZP* | 63 | 002323029 | E33 | 153 | 10/60 |
| EZN 63-M6° | 63 | 002323013 | E33 | 148 | 15/90 |
| EZV 63-M6 | 63 | 002323020 | E33 | 146 | 15/90 |

* EZV - for mounting with Screws

* EZN - for mounting on rail

* ZP - base with protection cover

At request, vibration-tested EZN 25, 63, 63-M6 fuse bases are available according to the LRS-Lloyd's register of Shipping 1961 Vibration Test 2.

3-pole fuse base

Rated current
25, 63 A



Fuse base EZN/3, EZV/3 - LINEAR

| Type | I_n [A] | Code No. | Screw | Weight [g] | Packaging [pcs] |
|----------|--------------|-----------|-------|---------------|--------------------|
| EZN 25/3 | 25 | 002322025 | E 27 | 352 | 4/60 |
| EZV 25/3 | 25 | 002322026 | E 27 | 346 | 4/60 |
| EZN 63/3 | 63 | 002323016 | E33 | 488 | 6/24 |
| EZV 63/3 | 63 | 002323017 | E33 | 484 | 6/24 |

Fuse bases

D fuse base - new generation

Fuse base EZR

| Type | I _n [A] | Code No. | Screw | Packaging [pcs] |
|--------|--------------------|-----------|-------|-----------------|
| EZR 25 | 25 | 002322027 | E27 | 15/105 |
| EZR 63 | 63 | 002323031 | E33 | 15/90 |

Set EZR 25

| Type | I _n [A] | Code No. | Screw | Packaging [pcs] |
|--------------------------|--------------------|-----------|-------|-----------------|
| SET EZR 25 2p-GEG 25.2 | 25 | 002322100 | E27 | -/112 |
| SET EZR 25 3p-GEG 25.3 | 25 | 002322101 | E27 | -/80 |
| SET EZR 25 4p-GEG 25.4 | 25 | 002322102 | E27 | -/56 |
| SET EZR 25 5p-GEG 25.5 | 25 | 002322103 | E27 | -/50 |
| SET EZR 25 6p-GEG 25.6 | 25 | 002322104 | E27 | -/40 |
| SET EZR 25 7p-GEG 25.7 | 25 | 002322105 | E27 | -/32 |
| SET EZR 25 8p-GEG 25.8 | 25 | 002322106 | E27 | -/28 |
| SET EZR 25 9p-GEG 25.9 | 25 | 002322107 | E27 | -/24 |
| SET EZR 25 10p-GEG 25.10 | 25 | 002322108 | E27 | -/25 |

Set EZR 63

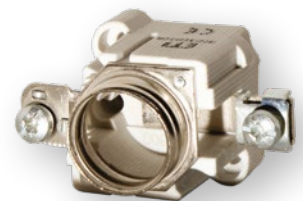
| Type | I _n [A] | Code No. | Screw | Packaging [pcs] |
|------------------------|--------------------|-----------|-------|-----------------|
| SET EZR 63 2p-GEG 63.2 | 63 | 002323110 | E33 | -/81 |
| SET EZR 63 3p-GEG 63.3 | 63 | 002323111 | E33 | -/54 |
| SET EZR 63 4p-GEG 63.4 | 63 | 002323112 | E33 | -/36 |
| SET EZR 63 5p-GEG 63.5 | 63 | 002323113 | E33 | -/31 |
| SET EZR 63 6p-GEG 63.6 | 63 | 002323114 | E33 | -/27 |

Fuse base EZV GS

| Type | I _n [A] | Code No. | Screw | Packaging [pcs] |
|-----------|--------------------|-----------|-------|-----------------|
| EZV 25 GS | 25 | 002322028 | E27 | 15/105 |
| EZV 63 GS | 63 | 002323032 | E33 | 15/90 |

Accessories

| Type | Code No. | Packaging [pcs] |
|-------------------------------|-----------|-----------------|
| Protective cover GB 25.1 | 002352005 | 100/500 |
| Protective cover GB 25.3 | 002352006 | 50/200 |
| Protective cover GB 63-52 | 002353005 | 100/400 |
| Protective cover GB 63-60 | 002353006 | 100/400 |
| Plastic mounting plate GSA 25 | 002352007 | 100/500 |
| Plastic mounting plate GSA 63 | 002353007 | 100/400 |



Accessories

Gauge piece



VD II for fuse base E 27

| I_n [A] | Colour | Code No. | Weight [g] | Packaging [pcs] |
|--------------|--------|-----------|---------------|--------------------|
| 2 | pink | 002342001 | 13 | 25/450 |
| 4 | brown | 002342002 | 13 | 25/450 |
| 6 | green | 002342003 | 13 | 25/450 |
| 10 | red | 002342004 | 11 | 25/450 |
| 16 | grey | 002342005 | 11 | 25/450 |
| 20 | blue | 002342006 | 11 | 25/450 |
| 25 | yellow | 002342007 | 11 | 25/450 |



VD III for fuse base E 33

| I_n [A] | Colour | Code No. | Weight [g] | Packaging [pcs] |
|--------------|--------|-----------|---------------|--------------------|
| 35 | black | 002343001 | 19 | 25/300 |
| 50 | white | 002343002 | 18 | 25/300 |
| 63 | copper | 002343003 | 16 | 25/300 |

Fuse carrier D



Fuse carrier K DII

| Type | I_n [A] | Code No. | Screw | Weight [g] | Packaging [pcs] |
|-------|--------------|-----------|-------|---------------|--------------------|
| K DII | 25 | 002332003 | E 27 | 35 | 50/600 |

Fuse carrier K DIII

| Type | I_n [A] | Code No. | Screw | Weight [g] | Packaging [pcs] |
|--------|--------------|-----------|-------|---------------|--------------------|
| K DIII | 63 | 002333002 | E 33 | 59 | 30/360 |

Protection cover



1-pole protection cover for fuse base

| Type | I_n [A] | Code No. | Screw | Weight [g] | Packaging [pcs] |
|----------|--------------|-----------|-------|---------------|--------------------|
| EZN, EZV | 25 | 002352001 | E 27 | 16 | 30/390 |
| EZN, EZV | 63 | 002353002 | E 33 | 12 | 30/360 |



3-pole protection cover for fuse base

| Type | Code No. | Weight [g] | Packaging [pcs] |
|---------------|-----------|---------------|--------------------|
| EZN, EZV 25/3 | 002352003 | 40 | 12/120 |
| EZN, EZV 63/3 | 002353004 | 40 | 12/120 |

Busbar system for 1-pole fuse base EZR

Busbar for fuse base EZR

| Type | I _n [A] | Code No. | Screw | Weight [g] | Packaging [pcs] |
|------|-----------------------|-----------|-------|---------------|--------------------|
| EZR | 25 | 002923032 | E 27 | 380 | 50 |
| EZR | 63 | 002923033 | E 33 | 380 | 50 |



Terminal for neutral terminal and busbar EZR

| Code No. | For cross section [mm ²] | Weight [g] | Packaging [pcs] |
|-----------|---|---------------|--------------------|
| 002923040 | 16 | 9 | 100/2200 |
| 002923041 | 35 | 21 | 100/2200 |

