

D

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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 6 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 60064-1 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 CEE 16 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 "träge" fuse.

In accordance with the development of standards, TDZ time-current characteristics were unified 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. gF	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. R2*	Code No. gF, TD2*	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. R2*	Code No. gF, TD2*	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 [pcs]
EZN 25*	25	002322009	E 27	104	15/120
EZV 25	25	002322011	E 27	102	15/105
EZN 25-2P*	25	002322016	E 27	120	10/70
EZV 25-2P*	25	002322017	E 27	112	10/60
EZN 63*	63	002323008	E33	148	15/90
EZV 63	63	002323010	E33	146	15/90
EZN 63-2P*	63	002323028	E33	163	10/60
EZV 63-2P*	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

* 2P - 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 1901 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

Set EZR 25

Type	I _n [A]	Code No.	Cross-section of connecting lead		Connections Outlet	Connections Supply	Packaging [pcs]
			Outlet [mm ²]	Supply [mm ²]			
SET EZR 25 2p-GE 25.2	25	002322100	35	1 - 10	M5	M5	-/112
SET EZR 25 3p-GE 25.3	25	002322101	35	1 - 10	M5	M5	-/80
SET EZR 25 4p-GE 25.4	25	002322102	35	1 - 10	M5	M5	-/56
SET EZR 25 5p-GE 25.5	25	002322103	35	1 - 10	M5	M5	-/50
SET EZR 25 6p-GE 25.6	25	002322104	35	1 - 10	M5	M5	-/40
SET EZR 25 7p-GE 25.7	25	002322105	35	1 - 10	M5	M5	-/32
SET EZR 25 8p-GE 25.8	25	002322106	35	1 - 10	M5	M5	-/28
SET EZR 25 9p-GE 25.9	25	002322107	35	1 - 10	M5	M5	-/24
SET EZR 25 10p-GE 25.10	25	002322108	35	1 - 10	M5	M5	-/25

Set EZR 63

Type	I _n [A]	Code No.	Cross-section of connecting lead		Connections Outlet	Connections Supply	Packaging [pcs]
			Outlet [mm ²]	Supply [mm ²]			
SET EZR 63 2p-GE 63.2	63	002323110	35	2.5 - 25	2xM5	2xM5	-/81
SET EZR 63 3p-GE 63.3	63	002323111	35	2.5 - 25	2xM5	2xM5	-/54
SET EZR 63 4p-GE 63.4	63	002323112	35	2.5 - 25	2xM5	2xM5	-/36
SET EZR 63 5p-GE 63.5	63	002323113	35	2.5 - 25	2xM5	2xM5	-/31
SET EZR 63 6p-GE 63.6	63	002323114	35	2.5 - 25	2xM5	2xM5	-/27

Fuse base EZV GS

Type	I _n [A]	Code No.	Cross-section of connecting lead		Connections Outlet	Connections Supply	Packaging [pcs]
			Outlet [mm ²]	Supply [mm ²]			
EZV 25 GS	25	002323028	1 - 10	1 - 10	M5	M5	15/105
EZV 63 GS	63	002323032	2.5 - 25	2.5 - 25	2xM5	2xM5	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	30/960

Protection cover



1-pole protection cover for fuse base

Type	I_n [A]	Code No.	Screw	Weight [g]	Packaging [pcs]
E2N, E2V	25	002352001	E 27	16	30/990
E2N, E2V	63	002353002	E 33	12	30/360



3-pole protection cover for fuse base

Type	Code No.	Weight [g]	Packaging [pcs]
E2N, E2V 25/3	002352003	40	12/120
E2N, E2V 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

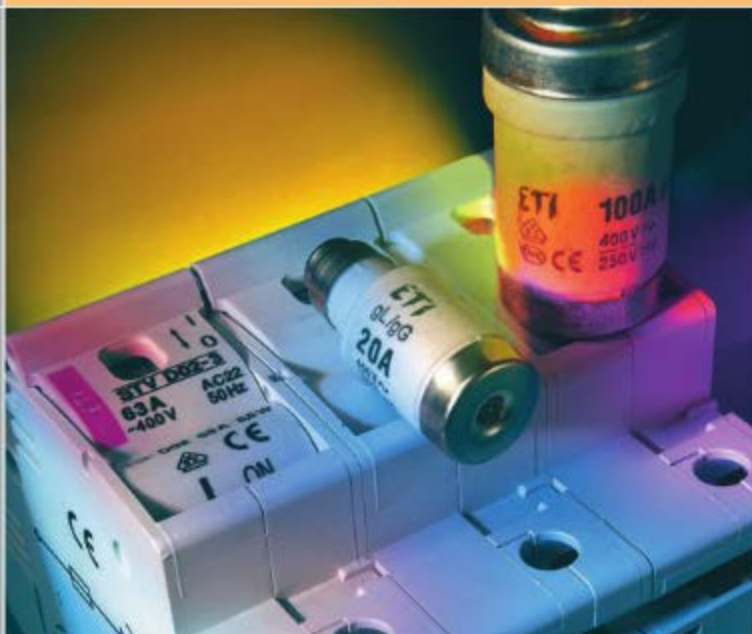


D0

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LOW VOLTAGE FUSES



Low voltage fuse-links

Fuse-link D0

Rated current

2 - 100 A

Fusing characteristics

gG

D0 fuse-links are used as the most reliable protection of electrical installation, control and signal circuits against overload and short-circuit currents.

The whole system D0 contains a complete range of three physical sizes D01, D02 and D03 fuse-links, standard ceramic and new plastic bases, fuse disconnectors and all necessary accessories. It is dimensioned for rated voltages 400 V a.c. resp. 250 V d.c. with AC 50kA and DC 8kA rated breaking capacity.

The system D0 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 0630-301, HD 630.3.1, DIN EN 60269-1, EN 60947-1 and EN 60947-3.



D01 for fuse base E 14

I_n [A]	Colour	Code No. gG	Weight [g]	Packaging [pcs]
2	pink	002211001	6	10/500
4	brown	002211002	6	10/500
6	green	002211003	6	10/500
10	red	002211004	6	10/500
13	black	002211006	6	10/500
16	grey	002211005	6	10/500



D02 for fuse base E 18

I_n [A]	Colour	Code No. gG	Weight [g]	Packaging [pcs]
20	blue	002212001	11	10/500
25	yellow	002212002	12	10/500
32	black	002212006	13	10/500
35	black	002212003	13	10/500
40	black	002212007	13	10/500
50	white	002212004	13	10/500
63	copper	002212005	15	10/500



D03 for fuse base M 30 x 2

I_n [A]	Colour	Code No. gG	Weight [g]	Packaging [pcs]
80	silver	002213001	35	10/400
100	red	002213002	35	10/400

Fuse bases

Advantages of plastic fuse base PFB D0

→ Compact housing design without additional covers - IP 20 protection class, faster assembling

→ All parts are made of firestop material (GW 900 °C)

→ Two position snapper - enables easy replacement

→ Modular design - availability of assembling multi-pole versions on construction site

→ More grip area for screwing caps

→ Front print - product data visible after installation in the cabinet

→ LED indication when fuse link operates - working also in case of open circuit at minimal wire capacitance

→ LED indication flashes when a fuse is blown

→ Double input terminal - availability of connecting wire and isolated Busbar

→ Contact material Cu - lower temperature rise, very lower power dissipation

New! LED Version

Plastic fuse base PFB D0



Fuse base PFB D01

Type	I_n [A]	Code No.	Number of poles	Weight [g]	Packaging [pcs]
PFB D01 1p	16	002510011	1	58	15/180
PFB D01 1p LED	16	002510012	1	58,5	15/180
PFB D01 3p	16	002510013	3	178	5/60
PFB D01 3p LED	16	002510014	3	179,5	5/60

Fuse base PFB D02

Type	I_n [A]	Code No.	Number of poles	Weight [g]	Packaging [pcs]
PFB D02 1p	63	002510021	1	64	15/180
PFB D02 1p LED	63	002510022	1	64,5	15/180
PFB D02 3p	63	002510023	3	194	5/60
PFB D02 3p LED	63	002510024	3	195,5	5/60

Connection kit

Type	Code No.	Weight [g]	Packaging [pcs]
Connection kit	002510001	30	300



Ceramic fuse base

Rated current
10, 63 A

The fuse bases D0 are planned to be built into distribution boxes in domestic and public installations. Total security against parts under voltage is achieved by installing D0 fuse bases into domestic or industrial distribution boards. Ceramic fuse-bases are tested and certified according to IEC 60269-3-1, DIN EN 60269-1, DIN EN 60269-3 and DIN VDE 0636-301.

Advantages

- modular construction
- smaller weight and smaller height (66 mm) provide installation into the flush-mounting distribution boxes, the depth of which is 80 mm only
- by the use of gauge-piece key it is possible to change the gauge rings under voltage
- the possibility of simple substitution of base D0 1 with D0 2

1-pole fuse base D0

Type	I _n	Code No.	Screw	With protection cover	Without protection cover	Click-on mounting	Screw mounting	Weight	Packaging
	[A]							[g]	[pcs]
D01N - K	16	002221011	E14	0		X		68	15/300
D01V - K	16	002221012	E14	0			X	66	15/300
D02N - K	63	002222011	E18	0		X		87	15/120
D02V - K	63	002222012	E18	0			X	80	15/120
D02N MS - K	63	002222016	E18	0		X		82	15/120
D02V MS - K	63	002222015	E18	0			X	80	15/120
D01N	16	002221001	E14		0	X		56	15/150
D01V	16	002221002	E14		0		X	59	15/150
D02N	63	002222001	E18		0	X		80	60/180
D02V	63	002222002	E18		0		X	77	60/180
D02N MS	63	002222006	E18		0	X		75	60/180
D02V MS	63	002222005	E18		0		X	72	60/180





3-pole fuse base D0

Type	I _n [A]	Code No.	Screw	With protection cover	Without protection cover	Click-on mounting	Screw mounting	Weight [g]	Packaging [pcs]
D01N/3 - K	16	002221021	E14	0		X		216	5/100
D01V/3 - K	16	002221020	E14	0			X	187	5/100
D02N/3 - K	63	002222021	E18	0		X		252	5/40
D02V/3 - K	63	002222020	E18	0			X	246	5/40
D02N/3 M5 - K	63	002222023	E18	0		X		237	5/40
D02V/3 M5 - K	63	002222022	E18	0			X	231	5/40
D01N/3	16	002221031	E14		0	X		176	5/50
D01V/3	16	002221030	E14		0		X	170	5/50
D02N/3	63	002222031	E18		0	X		235	5/50
D02V/3	63	002222030	E18		0		X	229	5/50
D02N/3 M5	63	002222033	E18		0	X		220	5/50
D02V/3 M5	63	002222032	E18		0		X	214	5/50

Accessories

Protection cover



1-pole protection cover for fuse base

Type	Code No.	Weight [g]	Packaging [pcs]
D01V, D01N	002251006	8	50/700
D02V, D02N	002251005	8	50/700



3-pole protection cover for fuse base

Type	Code No.	Weight [g]	Packaging [pcs]
D01V/3, D01N/3	002251004	17	14/280
D02V/3, D02N/3	002251002	16	14/280

Gauge piece

VD01 for fuse base E 14

I [A]	Colour	Code No.	Weight [g]	Packaging [pcs]
2	pink	002241001	1	50/500
4	brown	002241002	1	50/500
6	green	002241003	1	50/500
10	red	002241004	1	50/500

VD02 for fuse base E 18

I [A]	Colour	Code No.	Weight [g]	Packaging [pcs]
2*	pink	002243001	1	50/500
4*	brown	002243002	1	50/500
6*	green	002243003	1	50/500
10*	red	002243004	1	50/500
16*	grey	002243005	1	50/500
20	blue	002242001	1	50/500
25	yellow	002242002	1	50/500
35	black	002242003	1	50/500
50	white	002242004	1	50/500

* For using fuse-links D01 and fuse bases D02.

Gauge piece key

Code No.	Weight [g]	Packaging [pcs]
002241000	17	20/120



Fuse carrier D0

Fuse carrier D0

Type	Code No.	Screw	Weight [g]	Packaging [pcs]
KN D01	002231003	E 14	14	20/500
KN D02	002232003	E 18	17	20/500

Fuse carrier D0 - plastic

Type	Code No.	Screw	Weight [g]	Packaging [pcs]
PLK D01	002231008	E 14	9	10/500
PLK D02	002232008	E 18	11	10/500



Special holder



Special holder

Code No.	Weight [g]	Packaging [pcs]
002231000	1	25/100

Fuse-disconnection units

Fuse-switch disconnector VLD01

Rated current
2 - 0, 10, 16 A

Disconnection category
AC22

Fuse-switch disconnector is a protection device with an exchangeable for D01 fuse link. This system enables the following protecting advantages, concerning the D0 fuse:

- Replacement of the fuse-link can be done with a movable holder, without danger of direct contact to the parts under voltage.
- The device can be switched on without screwing, contact pressure is applied automatically by a spring.
- Complete protection against touch by VBG 4.
- In position 1 and 0, the fuse-link operation Indicator is visible through a transparent window.



1-pole

I _n [A]	U _n [V]	Code No.	Weight [g]	Packaging [pcs]
6	230/400	002261001	67	12/108
10	230/400	002261002	67	12/108
13	230/400	002261004	67	12/108
16	230/400	002261003	67	12/108



1-pole + N

I _n [A]	U _n [V]	Code No.	Weight [g]	Packaging [pcs]
6	230	002261016	135	6/54
10	230	002261017	135	6/54
13	230	002261019	135	6/54
16	230	002261018	135	6/54

Fuse-disconnection units

2-pole

I_n [A]	U_n [V]	Code No.	Weight [g]	Packaging [pcs]
6	400	002261006	135	6/54
10	400	002261007	135	6/54
13	400	002261009	135	6/54
16	400	002261008	135	6/54



3-pole

I_n [A]	U_n [V]	Code No.	Weight [g]	Packaging [pcs]
6	400	002261011	203	4/36
10	400	002261012	203	4/36
13	400	002261014	203	4/36
16	400	002261013	203	4/36



3-pole + N

I_n [A]	U_n [V]	Code No.	Weight [g]	Packaging [pcs]
6	400	002261021	270	3/27
10	400	002261022	270	3/27
13	400	002261024	270	3/27
16	400	002261023	270	3/27

Accessories for fuse-switch disconnector VLD01

Holder

Accessories	Code No.	Weight [g]	Packaging [pcs]
holder/2-6A	002261028	6	15/600
holder/10A	002261029	6	15/600
holder/13A	002261027	6	15/600
holder/16A	002261030	6	15/600



Switch-disconnector-fuse STVD02

Rated current
63 AVoltage category
AC 22

Switch-disconnector-fuse is a device which combines the functions of the switch and of the fuse D0. The system enables the following advantages of protection in comparison with the fuse D0:

- The changing of the fuse-link without danger of direct touch of parts under voltage.
- Snap-on mounting on rail according to EN 60715.
- The complete protection against touch according to VBG 4.
- The possibility of connecting supply from the upper or from the lower side.
- It can be used as a main switch and tariff fuse in a single device.
- Possibility of sealing in ON or OFF positions with or without fuse-link.



STVD02

Type	I_n [A]	Code No.	Weight [g]	Packaging [pcs]
STVD02-1	63	002271001	119	12/96
STVD02-1N	63	002271002	238	6/48
STVD02-2	63	002271003	238	6/48
STVD02-3	63	002271004	357	4/32
STVD02-3H	63	002271005	476	3/24

Accessories for switch - disconnector - fuse STVD02



Auxiliary switch PS STV

Type	Code No.	Contacts	Weight [g]
PS STV - NO	002279001	1 x b, 1 x a	50
PS STV - 2N	002279002	2 x b	50
PS STV - 2O	002279003	2 x a	50

a... make contact
b... break contact

Auxiliary switch PS STV is intended to be mounted with switches of series STVD02. The width of apparatus is 9 mm, other dimensions comply with STVD02 series switches.

Auxiliary switch PS STV D02 serves for distant signalization of the state of contacts (on/off) of STVD02 switch, or for circuit control.

Fuse-disconnection units

Gauge piece

I_n [A]	Colour	Code No.	Weight [g]	Packaging [pcs]
20	blue	002243010	0,8	15/300
25	yellow	002243011	0,6	15/300
35	black	002243012	0,5	15/300
50	white	002243013	0,4	15/300

Their function is to limit the use of D0 fuse-links to user prescribed rated currents. The gauge piece can be inserted into the holder, when the fuse holder is extracted from the housing.



Adapter

I_n [A]	Colour	Code No.	Weight [g]	Packaging [pcs]
6	green	002243018	2,5	20/200
10	red	002243019	2,5	20/200
16	grey	002243020	2,5	20/200

Its function is to allow the use of D01 fuse-links (2-10A) with the fuse-switch-disconnector STV D02.



STVD02 set

STVD02 set includes a switch-disconnector-fuse, gauge pieces of all sizes and adapters of all sizes.

STVD02 set

title	Code No.	Packaging [pcs]
STV D02 1p set	002271101	12/96
STV D02 1p+N set	002271102	6/48
STV D02 2p set	002271103	6/48
STV D02 3p set	002271104	4/32
STV D02 3p+N set	002271105	3/24