

Pojistky VN ETI VV Thermo

**jmenovité napětí 3 ~ 38,5 kV
jmenovitý proud 2 ~ 315 A**



DRIBO, spol. s r.o.

Pražákova 36
619 00 Brno
Česká republika

Tel.: +420 533 101 111, Fax: +420 543 216 619, E-mail: dribo@dribo.cz, Internet: <http://www.dribo.cz>



Pojistky VN

VN pojistky VV Thermo firmy ETI jsou určeny pro ochranu spínacích zařízení a dalších zařízení (distribuční transformátory, kondenzátory, motory) před tepelnými a dynamickými účinky zkratů a nadproudů.

Pojistkové vložky vyhovují normě IEC 60282-1 jakožto tzv. „back-up“ typ. Jsou vhodné pro instalaci ve vnitřních i venkovních přístrojích, rozváděčích (i SF₆) i ve speciálních pracovních podmínkách (odlišných od normálních pracovních podmínek podle IEC 60282-1, bod 2.1.)

K největším výhodám pojistkových vložek ETI patří:

- nízké oteplení díky malému ztrátovému výkonu,
- vysoká vypínací schopnost 50 kA,
- vybavovací systém: 80 N a 120 N s tepelnou ochranou a 50 N bez tepelné ochrany,
- spolehlivý těsnící systém proti pronikání vlhkosti,
- odolnost vůči stárnutí,
- nízké pracovní přepětí,
- dle požadavku mohou být pojistky dodávány i v nestandardních velikostech.

Normy

Pojistkové vložky ETI vyhovují následujícím normám:

- IEC 60282 (ČSN EN 60282-1),
- DIN 43625,
- IEC 60787,
- IEC 60644,
- IEC 60549

Konstrukce

Pojistkové vložky ETI jsou vyvinuty tak, aby jejich charakteristiky byly dlouhodobě stabilní. Použité porcelánové pouzdro (1) je extrémně odolné vůči mechanickému a tepelnému namáhání. Kontaktní pouzdra (2) jsou vyrobena z elektrolytické mědi a jsou povrchově upravena stříbřením. Těsnost vložek je zajištěna speciálním systémem těsnění odolným vůči stárnutí i vůči tepelnému namáhání.

Metoda výroby tavných součástí zaručuje minimální tolerance hodnot a stabilní ampérsekundové charakteristiky. Tavné prvky (4) jsou navjány na keramický nosič (3) a svařovány se speciálními měděnými kontaktními pásy.

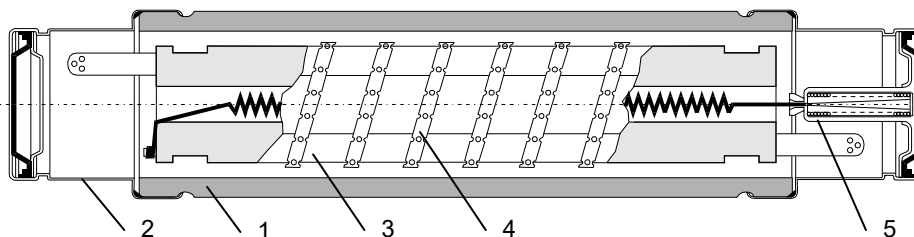
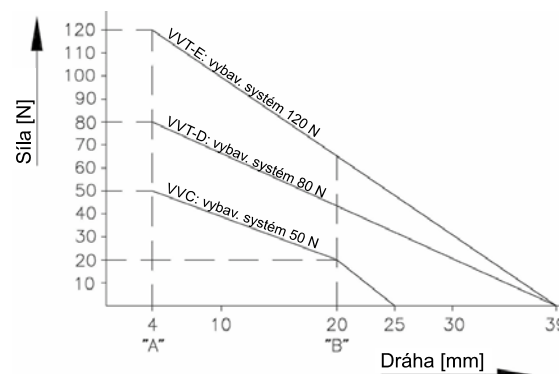
Těleso pojistkové vložky je vyplněno křemičitým pískem přesné zrnitosti a chemického složení, což zaručuje spolehlivé zhasnutí elektrického oblouku.

Velmi důležitým prvkem je také ukazatel stavu pojistkové vložky s integrovanou tepelnou ochranou (5). Systém je navržen tak, aby i při zvýšené teplotě pojistky nedošlo krátkodobým proudovým přetížením k jeho vybavení. Pouze při překročení přípustných teplot okolí dojde k vybavení mechanismu. Díky tomu jsou pojistkové vložky ETI vhodné i pro ochranu zapouzdřených rozváděčů.

Typy pojistek VV Thermo:

- VVC: síla vybavovacího systému 50 N,
- VVT-D: s tepelnou ochranou, síla vybavovacího systému 80 N,
- VVT-E: s tepelnou ochranou, síla vybavovacího systému 120 N.

Charakteristika vybavovacího systému:



Technické parametry

| Jmenovité napětí | Rozměr "e" dle normy | Jmenovitý proud | Typ | Jmenovitý vypínací proud | Minimální vypínací proud | Odpor za studena | Ztráta | Minimální předoblokovy I ² t | Maximální celkový vypínací I ² t | Hmotnost | | | | |
|---------------------|------------------------------|--------------------|-------------------|--------------------------|--------------------------|---------------------|--------------------|---|---|----------|-----|------|-----|-----|
| U _r [kV] | e [mm] | I _r [A] | | I ₁ [kA] | I ₃ [A] | R _k [mΩ] | P _v [W] | I ² t [A ² s] | I ² t [A ² s] | m [kg] | | | | |
| 3/7.2 | 192 (standard. rozměr) | 2 A | VVC, VWT-D, VWT-E | 50 | 12 | 580 | 4 | 6,1 | 57 | 1.1 | | | | |
| | | 4 A | | | 20 | 370 | 9 | 17,3 | 164 | | | | | |
| | | 6 A | | | 25 | 260 | 10 | 36 | 340 | | | | | |
| | | 10 A | | | 46 | 55 | 7 | 161 | 1 530 | | | | | |
| | | 16 A | | | 60 | 37 | 13 | 250 | 2 270 | | | | | |
| | | 20 A | | | 80 | 30 | 15 | 430 | 3 750 | | | | | |
| | | 25 A | | | 105 | 25 | 20 | 650 | 5 500 | | | | | |
| | | 32 A | | | 130 | 18,5 | 28 | 1 120 | 10 100 | | | | | |
| | | 40 A | | | 178 | 13 | 33 | 2 270 | 18 100 | | | | | |
| | | 50 A | | | 220 | 8,5 | 26 | 6 270 | 31 300 | | | | | |
| | | 63 A | | | 270 | 7,0 | 43 | 10 200 | 50 800 | | | | | |
| | | 80 A | | | 360 | 5,2 | 50 | 18 700 | 93 500 | | | | | |
| | | 100 A | | | 540 | 4,6 | 66 | 38 000 | 197 000 | | | | | |
| | | 125 A | | | 610 | 3,4 | 101 | 61 500 | 319 000 | | | | | |
| | | 160 A | | | 810 | 2,55 | 135 | 102 200 | 528 000 | | | | | |
| | | 292 | | | 2A | VVC, VWT-D, VWT-E | 50 | 12 | 580 | | 4 | 6,1 | 57 | 1.6 |
| | | | | | 4A | | | 20 | 370 | | 9 | 17,3 | 164 | |
| | | | | | 6 A | | | 25 | 260 | | 10 | 36 | 340 | |
| | 10 A | | 46 | 55 | 7 | | | 161 | 1 530 | | | | | |
| | 16 A | | 60 | 37 | 13 | | | 250 | 2 270 | | | | | |
| | 20 A | | 80 | 30 | 15 | | | 430 | 3 750 | | | | | |
| | 25 A | | 105 | 25 | 20 | | | 650 | 5 500 | | | | | |
| | 32 A | | 130 | 18,5 | 28 | | | 1 120 | 10 100 | | | | | |
| | 40 A | | 178 | 13 | 33 | | | 2 270 | 18 100 | | | | | |
| | 50 A | | 220 | 8,5 | 26 | | | 6 270 | 31 300 | | | | | |
| | 63 A | | 270 | 7,0 | 43 | | | 10 200 | 50 800 | | | | | |
| | 80 A | | 360 | 5,2 | 50 | | | 18 700 | 93 500 | | | | | |
| | 100 A | | 540 | 4,6 | 66 | | | 38 000 | 197 000 | | | | | |
| | 125 A | | 610 | 3,4 | 101 | | | 61 500 | 319 000 | | | | | |
| | 160 A | | 810 | 2,55 | 135 | | | 102 200 | 528 000 | | | | | |
| | 200 A | | 1000 | 2.1 | 155 | | | 151 780 | 789 270 | | | | | |
| | 250 A | | 1250 | 1.7 | 196 | | | 228 610 | 1 188 800 | | | | | |
| | 442 | | 2A | VVC, VWT-D, VWT-E | 50 | | | 12 | 840 | 4,7 | 6,1 | 57 | 3.9 | |
| | | 4A | 20 | | | 530 | 11,7 | 17,3 | 164 | | | | | |
| | | 6A | 25 | | | 270 | 13,4 | 36 | 340 | | | | | |
| | | 10A | 46 | | | 67,5 | 9 | 161 | 1530 | | | | | |
| | | 16A | 60 | | | 45,3 | 16 | 250 | 2270 | | | | | |
| | | 20A | 80 | | | 38 | 20 | 430 | 3750 | | | | | |
| | | 25A | 105 | | | 30 | 25 | 650 | 5500 | | | | | |
| | | 32A | 130 | | | 22,5 | 31 | 1120 | 10100 | | | | | |
| | | 40A | 178 | | | 16,2 | 35 | 2270 | 18100 | | | | | |
| | | 50A | 220 | | | 10,5 | 39 | 6270 | 31300 | | | | | |
| | | 63 A | 270 | | | 8,5 | 62 | 10 200 | 50 800 | | | | | |
| | | 80 A | 360 | | | 6,5 | 77 | 18 700 | 93 500 | | | | | |
| | | 100 A | 540 | | | 5,7 | 105 | 38 000 | 197 000 | | | | | |
| | | 125 A | 610 | | | 4 | 115 | 61 500 | 319 000 | | | | | |
| | | 160 A | 810 | | | 3,2 | 151 | 102 200 | 528 000 | | | | | |
| | | 200 A | 1000 | | | 2.65 | 195 | 151 780 | 789 270 | | | | | |
| 250 A | | 1250 | 2.2 | | | 253 | 228 610 | 1 188 800 | | | | | | |
| 315 A | | 1575 | 1.75 | | | 320 | 368 640 | 1 916 930 | | | | | | |

| Jmenovité napětí | Rozměr "e" dle normy | Jmenovitý proud | Typ | Jmenovitý vypínací proud | Minimální vypínací proud | Odpor za studena | Ztráta | Minimální předobloukový I ² t | Maximální celkový vypínací I ² t | Hmotnost | | | | |
|---------------------|------------------------------|--------------------|-------------------|--------------------------|--------------------------|---------------------|--------------------|--|---|----------|---------|-----------|-----|-----|
| U _r [kV] | e [mm] | I _r [A] | | I ₁ [kA] | I ₃ [A] | R _k [mΩ] | P _v [W] | I ² t [A ² s] | I ² t [A ² s] | m [kg] | | | | |
| 6/12 | 192 | 2 A | VVC, VVT-D, VVT-E | 50 | 12 | 980 | 6 | 6,1 | 57 | 1.1 | | | | |
| | | 4 A | | | 20 | 650 | 15 | 17,3 | 164 | | | | | |
| | | 6 A | | | 27 | 435 | 21 | 36 | 340 | | | | | |
| | | 10 A | | | 50 | 87 | 8 | 161 | 1 530 | | | | | |
| | | 16 A | | | 80 | 60,5 | 19 | 250 | 2 270 | | | | | |
| | | 20 A | | | 100 | 47 | 22 | 430 | 3 750 | | | | | |
| | | 25 A | | | 125 | 37 | 34 | 650 | 5 500 | | | | | |
| | | 32 A | | | 160 | 27 | 43 | 1220 | 10 100 | | | | | |
| | | 40 A | | | 200 | 21 | 54 | 2 270 | 18 100 | | | | | |
| | | 50 A | | | 250 | 14 | 44 | 6 270 | 31 300 | | | | | |
| | 292 (standard. rozměr) | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 980 | 6 | 6,1 | 57 | 1.6 | | | | |
| | | 4 A | | | 20 | 650 | 15 | 17,3 | 164 | | | | | |
| | | 6 A | | | 25 | 435 | 21 | 36 | 340 | | | | | |
| | | 10 A | | | 46 | 87 | 8 | 161 | 1 530 | | | | | |
| | | 16 A | | | 60 | 60,5 | 19 | 250 | 2 270 | | | | | |
| | | 20 A | | | 80 | 47 | 22 | 430 | 3 750 | | | | | |
| | | 25 A | | | 105 | 37 | 34 | 650 | 5 500 | | | | | |
| | | 32 A | | | 130 | 27 | 43 | 1220 | 10 100 | | | | | |
| | | 40 A | | | 178 | 21 | 54 | 2 270 | 18 100 | | | | | |
| | | 50 A | | | 220 | 14 | 44 | 6 270 | 31 300 | | | | | |
| | | 63 A | | | 270 | 10,5 | 65 | 10 200 | 50 800 | | | | | |
| | | 80 A | | | 360 | 8 | 73 | 18 700 | 93 500 | | | | | |
| | | 100 A | | | 540 | 7,3 | 109 | 38 000 | 197 000 | | | | | |
| | | 125 A | | | 610 | 5,1 | 137 | 61 500 | 319 000 | | | | | |
| | | 160 A | | | 810 | 4 | 189 | 102 200 | 528 000 | | | | | |
| | | 442 | | | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 980 | | 6 | 6,1 | 57 | 2.3 |
| | | | | | 4 A | | | 20 | 650 | | 15 | 17,3 | 164 | |
| | | | | | 6 A | | | 25 | 435 | | 21 | 36 | 340 | |
| | 10 A | | 46 | 87 | 8 | | | 161 | 1 530 | | | | | |
| | 16 A | | 60 | 60,5 | 19 | | | 250 | 2 270 | | | | | |
| | 20 A | | 80 | 47 | 22 | | | 430 | 3 750 | | | | | |
| | 25 A | | 105 | 37 | 34 | | | 650 | 5 500 | | | | | |
| | 32 A | | 130 | 27 | 43 | | | 1220 | 10 100 | | | | | |
| | 40 A | | 178 | 21 | 54 | | | 2 270 | 18 100 | | | | | |
| | 50 A | | 220 | 14 | 44 | | | 6 270 | 31 300 | | | | | |
| | 63 A | | 270 | 10,5 | 65 | | | 10 200 | 50 800 | | | | | |
| | 80 A | | 360 | 8 | 73 | | | 18 700 | 93 500 | | | | | |
| | 100 A | | 540 | 7,3 | 109 | | | 38 000 | 197 000 | | | | | |
| | 125 A | | 610 | 5,1 | 137 | | | 61 500 | 319 000 | | | | | |
| | 160 A | | 810 | 4 | 189 | | | 102 200 | 528 000 | | | | | |
| | 200 A | | 1000 | 3,3 | 238 | | | 151 780 | 789 270 | | | | | |
| | 537 | | 160 A | VVC, VVT-D, VVT-E | 63 | | | 810 | 4 | 189 | 102 200 | 528 000 | 7.0 | |
| | | | 200 A | | | | | 1000 | 3,3 | 238 | 151 780 | 789 270 | | |
| | | | 250 A | | | | | 1250 | 2,65 | 305 | 228610 | 1 188 800 | | |

| Jmenovité napětí | Rozměr "e" dle normy | Jmenovitý proud | Typ | Jmenovitý vypínací proud | Minimální vypínací proud | Odpor za studena | Ztráta | Minimální předobloukový I ² t | Maximální celkový vypínací I ² t | Hmotnost | | |
|---------------------|----------------------|------------------------|-------------------|--------------------------|--------------------------|---------------------|--------------------|--|---|----------|-----|-----|
| U _r [kV] | e [mm] | I _r [A] | | I ₁ [kA] | I ₃ [A] | R _k [mΩ] | P _v [W] | I ² t [A ² s] | I ² t [A ² s] | m [kg] | | |
| 10/17.5 | 292 | 2 A | VVC, VVT-D, VVT-E | 50 | 12 | 1400 | 8 | 6,1 | 57 | 1.6 | | |
| | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | | |
| | | 6 A | | | 27 | 670 | 35 | 36 | 340 | | | |
| | | 10 A | | | 50 | 115 | 11 | 161 | 1 530 | | | |
| | | 16 A | | | 80 | 82 | 28 | 250 | 2 270 | | | |
| | | 20 A | | | 100 | 65 | 38 | 430 | 3 750 | | | |
| | | 25 A | | | 125 | 54 | 45 | 650 | 5 500 | 2.8 | | |
| | | 32 A | | | 160 | 38 | 61 | 1220 | 10 100 | | | |
| | | 40 A | | | 200 | 29 | 69 | 2 270 | 18 100 | | | |
| | | 50 A | | | 250 | 19 | 63 | 6 270 | 31 300 | | | |
| | | 63 A | | | 283 | 15 | 91 | 10 200 | 50 800 | | | |
| | | 80 A | | | 400 | 11 | 118 | 18 700 | 93 500 | 4.0 | | |
| | | 100A | | | 550 | 9,4 | 158 | 38000 | 197000 | | | |
| | | 2 A | | | 12 | 1400 | 8 | 6,1 | 57 | | 1.9 | |
| | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | | |
| | 6 A | 25 | 670 | 35 | 36 | 340 | | | | | | |
| | 10 A | 46 | 115 | 11 | 161 | 1 530 | | | | | | |
| | 16 A | 60 | 82 | 28 | 250 | 2 270 | | | | | | |
| | 20 A | 80 | 65 | 38 | 430 | 3 750 | | | | | | |
| | 25 A | 105 | 54 | 45 | 650 | 5 500 | | | | | | |
| | 32 A | 130 | 38 | 61 | 1220 | 10 100 | | | | | | |
| | 40 A | 178 | 29 | 69 | 2 270 | 18 100 | | | | | | |
| | 50 A | 220 | 19 | 63 | 6 270 | 31 300 | | | | | | |
| | 63 A | 270 | 15 | 91 | 10 200 | 50 800 | 3.1 | | | | | |
| | 80 A | 360 | 11 | 118 | 18 700 | 93 500 | | | | | | |
| | 100 A | 540 | 9.5 | 156 | 38 000 | 197 000 | | | | | | |
| | 125 A | 610 | 6.8 | 193 | 61 500 | 319 000 | | | | | | |
| | 160 A | 810 | 5.5 | 255 | 102 200 | 528 000 | | | | | | |
| | 442 | 367 (standard. rozměr) | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 1400 | 8 | 6,1 | 57 | 2.3 | |
| | | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | |
| | | | 6 A | | | 25 | 670 | 35 | 36 | 340 | | |
| | | | 10 A | | | 46 | 115 | 11 | 161 | 1 530 | | |
| | | | 16 A | | | 60 | 82 | 28 | 250 | 2 270 | | |
| | | | 20 A | | | 80 | 65 | 38 | 430 | 3 750 | | |
| | | | 25 A | | | 105 | 54 | 45 | 650 | 5 500 | | |
| | | | 32 A | | | 130 | 38 | 61 | 1220 | 10 100 | | |
| | | | 40 A | | | 178 | 29 | 69 | 2 270 | 18 100 | | |
| | | | 50 A | | | 220 | 19 | 63 | 6 270 | 31 300 | | |
| | | | 63 A | | | 270 | 15 | 91 | 10 200 | 50 800 | | 3.9 |
| | | | 80 A | | | 360 | 11 | 118 | 18 700 | 93 500 | | |
| | | | 100 A | | | 540 | 9.5 | 156 | 38 000 | 197 000 | | |
| | | | 125 A | | | 610 | 6.8 | 193 | 61 500 | 319 000 | | |
| | | | 150 A | | | 810 | 5.5 | 255 | 102 200 | 528 000 | | |
| | 442 | 442 | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 1400 | 8 | 6,1 | 57 | 2.3 | |
| | | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | |
| 6 A | | | 25 | | | 670 | 35 | 36 | 340 | | | |
| 10 A | | | 46 | | | 115 | 11 | 161 | 1 530 | | | |
| 16 A | | | 60 | | | 82 | 28 | 250 | 2 270 | | | |
| 20 A | | | 80 | | | 65 | 38 | 430 | 3 750 | | | |
| 25 A | | | 105 | | | 54 | 45 | 650 | 5 500 | | | |
| 32 A | | | 130 | | | 38 | 61 | 1220 | 10 100 | | | |
| 40 A | | | 178 | | | 29 | 69 | 2 270 | 18 100 | | | |
| 50 A | | | 220 | | | 19 | 63 | 6 270 | 31 300 | | | |
| 63 A | | | 270 | | | 15 | 91 | 10 200 | 50 800 | 3.9 | | |
| 80 A | | | 360 | | | 11 | 118 | 18 700 | 93 500 | | | |
| 100 A | | | 540 | | | 9.5 | 156 | 38 000 | 197 000 | | | |
| 125 A | | | 610 | | | 6.8 | 193 | 61 500 | 319 000 | | | |
| 150 A | | | 810 | | | 5.5 | 255 | 102 200 | 528 000 | | | |
| 442 | 442 | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 1400 | 8 | 6,1 | 57 | 2.3 | | |
| | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | | |
| | | 6 A | | | 25 | 670 | 35 | 36 | 340 | | | |
| | | 10 A | | | 46 | 115 | 11 | 161 | 1 530 | | | |
| | | 16 A | | | 60 | 82 | 28 | 250 | 2 270 | | | |
| | | 20 A | | | 80 | 65 | 38 | 430 | 3 750 | | | |
| | | 25 A | | | 105 | 54 | 45 | 650 | 5 500 | | | |
| | | 32 A | | | 130 | 38 | 61 | 1220 | 10 100 | | | |
| | | 40 A | | | 178 | 29 | 69 | 2 270 | 18 100 | | | |
| | | 50 A | | | 220 | 19 | 63 | 6 270 | 31 300 | | | |
| | | 63 A | | | 270 | 15 | 91 | 10 200 | 50 800 | | 3.9 | |
| | | 80 A | | | 360 | 11 | 118 | 18 700 | 93 500 | | | |
| | | 100 A | | | 540 | 9.5 | 156 | 38 000 | 197 000 | | | |
| | | 125 A | | | 610 | 6.8 | 193 | 61 500 | 319 000 | | | |
| | | 150 A | | | 810 | 5.5 | 255 | 102 200 | 528 000 | | | |
| 442 | 442 | 2 A | VVC, VVT-D, VVT-E | 63 | 12 | 1400 | 8 | 6,1 | 57 | 2.3 | | |
| | | 4 A | | | 20 | 900 | 17 | 17,3 | 164 | | | |
| | | 6 A | | | 25 | 670 | 35 | 36 | 340 | | | |
| | | 10 A | | | 46 | 115 | 11 | 161 | 1 530 | | | |
| | | 16 A | | | 60 | 82 | 28 | 250 | 2 270 | | | |
| | | 20 A | | | 80 | 65 | 38 | 430 | 3 750 | | | |
| | | 25 A | | | 105 | 54 | 45 | 650 | 5 500 | | | |
| | | 32 A | | | 130 | 38 | 61 | 1220 | 10 100 | | | |
| | | 40 A | | | 178 | 29 | 69 | 2 270 | 18 100 | | | |
| | | 50 A | | | 220 | 19 | 63 | 6 270 | 31 300 | | | |
| | | 63 A | | | 270 | 15 | 91 | 10 200 | 50 800 | | 3.9 | |
| | | 80 A | | | 360 | 11 | 118 | 18 700 | 93 500 | | | |
| | | 100 A | | | 540 | 9.5 | 156 | 38 000 | 197 000 | | | |
| | | 125 A | | | 610 | 6.8 | 193 | 61 500 | 319 000 | | | |
| | | 150 A | | | 810 | 5.5 | 255 | 102 200 | 528 000 | | | |

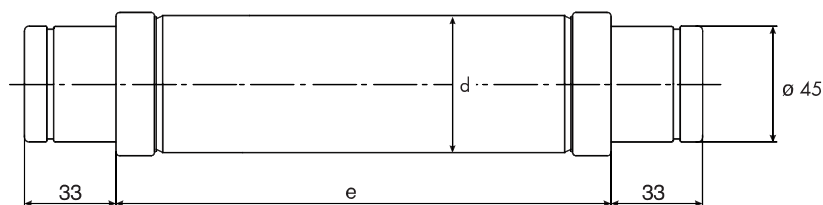
| Jmenovité napětí | Rozměr "e" dle normy | Jmenovitý proud | Typ | Jmenovitý vypínací proud | Minimální vypínací proud | Odpor za studena | Ztráta | Minimální předobloukový I ² t | Maximální celkový vypínací I ² t | Hmotnost | |
|---------------------|----------------------|--------------------|-------------------|--------------------------|--------------------------|---------------------|--------------------|--|---|----------|-----|
| U _r [kV] | e [mm] | I _r [A] | | I ₁ [kA] | I ₃ [A] | R _k [mΩ] | P _v [W] | I ² t [A ² s] | I ² t [A ² s] | m [kg] | |
| 10/24 | 292 | 2 A | VVC, VVT-D, VVT-E | 31,5 | 12 | 2040 | 12 | 6,1 | 57 | 1.6 | |
| | | 4 A | | | 20 | 1300 | 35 | 17,3 | 164 | | |
| | | 6 A | | | 27 | 900 | 56 | 36 | 340 | | |
| | | 10 A | | | 50 | 160 | 19 | 161 | 1 530 | | |
| | | 16 A | | | 80 | 106 | 35 | 250 | 2 270 | | |
| | | 20 A | | | 100 | 85 | 44 | 430 | 3 750 | | |
| | | 25 A | | | 125 | 67 | 58 | 650 | 5 500 | 2.8 | |
| | | 32 A | | | 160 | 48 | 71 | 1220 | 10 100 | | |
| | | 40 A | | | 200 | 37.5 | 95 | 2 270 | 18 100 | | |
| | | 50 A | | | 250 | 25 | 81 | 6 270 | 31 300 | | 4.0 |
| | | 63A | | | 283 | 20 | 120 | 10 200 | 50 800 | | |
| | | 2 A | | | 12 | 2040 | 12 | 6,1 | 57 | | |
| | 4 A | 20 | 1300 | 35 | 17,3 | 164 | | | | | |
| | 6 A | 25 | 900 | 56 | 36 | 340 | | | | | |
| | 10 A | 46 | 160 | 19 | 161 | 1 530 | | | | | |
| | 16 A | 60 | 106 | 35 | 250 | 2 270 | | | | | |
| | 20 A | 80 | 85 | 44 | 430 | 3 750 | | | | | |
| | 25 A | 105 | 67 | 58 | 650 | 5 500 | 3.9 | | | | |
| | 32 A | 130 | 48 | 71 | 1220 | 10 100 | | | | | |
| | 40 A | 178 | 37.5 | 95 | 2 270 | 18 100 | | | | | |
| | 50 A | 220 | 25 | 81 | 6 270 | 31 300 | | 5.8 | | | |
| | 63A | 270 | 20 | 120 | 10 200 | 50 800 | | | | | |
| | 80 A | 360 | 15 | 157 | 18 700 | 93 500 | | | | | |
| | 100 A | 540 | 13.8 | 235 | 38 000 | 197 000 | | | | | |
| | 125 A | 610 | 9.6 | 304 | 61 500 | 319 000 | | | | | |
| | 2 A | 12 | 2040 | 12 | 6,1 | 57 | 2.8 | | | | |
| | 4 A | 20 | 1300 | 35 | 17,3 | 164 | | | | | |
| | 6 A | 25 | 900 | 56 | 36 | 340 | | | | | |
| | 10 A | 46 | 160 | 19 | 161 | 1 530 | | | | | |
| | 16 A | 60 | 106 | 35 | 250 | 2 270 | | | | | |
| | 20 A | 80 | 85 | 44 | 430 | 3 750 | | | | | |
| | 25 A | 105 | 67 | 58 | 650 | 5 500 | | 4.7 | | | |
| | 32 A | 130 | 48 | 71 | 1220 | 10 100 | | | | | |
| | 40 A | 178 | 37.5 | 95 | 2 270 | 18 100 | | | | | |
| | 50 A | 220 | 25 | 81 | 6 270 | 31 300 | | | 7.0 | | |
| | 63A | 270 | 20 | 120 | 10 200 | 50 800 | | | | | |
| | 80 A | 360 | 15 | 157 | 18 700 | 93 500 | | | | | |
| | 100 A | 540 | 13.8 | 235 | 38 000 | 197 000 | | | | | |
| | 125 A | 610 | 9.6 | 304 | 61 500 | 319 000 | | | | | |
| | 160 A | 810 | 8 | 410 | 74 650 | 388 180 | | | | | |

| Jmenovité napětí | Rozměr "e" dle normy | Jmenovitý proud | Typ | Jmenovitý vypínací proud | Minimální vypínací proud | Odpor za studena | Ztráta | Minimální předobloukový I ² t | Maximální celkový vypínací I ² t | Hmotnost | | | | | | | | | | |
|---------------------|------------------------------|--------------------|-------------------------|--------------------------|--------------------------|---------------------|--------------------|--|---|----------|--|--|--|-----|--------|-----|----|-----|--------|--------|
| U _r [kV] | e [mm] | I _r [A] | | I ₁ [A] | I ₃ [A] | R _k [mΩ] | P _v [W] | I ² t [A ² s] | I ² t [A ² s] | m [kg] | | | | | | | | | | |
| 20/36 | 442 | 2 A | VVC, VVT-D, VVT-E | 20 | 12 | 2900 | 17 | 6,1 | 57 | 2.3 | | | | | | | | | | |
| | | 4 A | | | 20 | 1870 | 45 | 17,3 | 164 | | | | | | | | | | | |
| | | 6 A | | | 27 | 1300 | 73 | 36 | 340 | | | | | | | | | | | |
| | | 10 A | | | 50 | 225 | 28 | 161 | 1 530 | | | | | | | | | | | |
| | | 16 A | | | 80 | 150 | 53 | 250 | 2 270 | | | | | | | | | | | |
| | 537 (standard. rozměr) | VVC, VVT-D, VVT-E | 31,5 | 2 A | 12 | 2900 | 17 | 6,1 | 57 | 2.8 | | | | | | | | | | |
| | | | | 4 A | 20 | 1870 | 45 | 17,3 | 164 | | | | | | | | | | | |
| | | | | 6 A | 25 | 1300 | 73 | 36 | 340 | | | | | | | | | | | |
| | | | | 10 A | 46 | 225 | 28 | 161 | 1 530 | | | | | | | | | | | |
| | | | | 16 A | 60 | 150 | 53 | 250 | 2 270 | | | | | | | | | | | |
| | | | | 20 A | 80 | 122 | 74 | 430 | 3 750 | 4.7 | | | | | | | | | | |
| | | | | 25 A | 105 | 95 | 87 | 650 | 5 500 | | | | | | | | | | | |
| | | | | 32 A | 130 | 69 | 111 | 1 220 | 10 100 | | | | | | | | | | | |
| | | | | 40 A | 178 | 52 | 139 | 2 270 | 18 100 | | | | | | | | | | | |
| | | | | 50 A | 220 | 35 | 125 | 6 270 | 31 300 | | | | | | | | | | | |
| | | | | 80 A** | | | | | | | | | | 7.0 | | | | | | |
| | | | | | | | | | | | | | | | 63 A | 270 | 28 | 185 | 10 200 | 50 800 |
| | | | | | | | | | | | | | | | 80 A** | 360 | 21 | 213 | 18 700 | 93 500 |

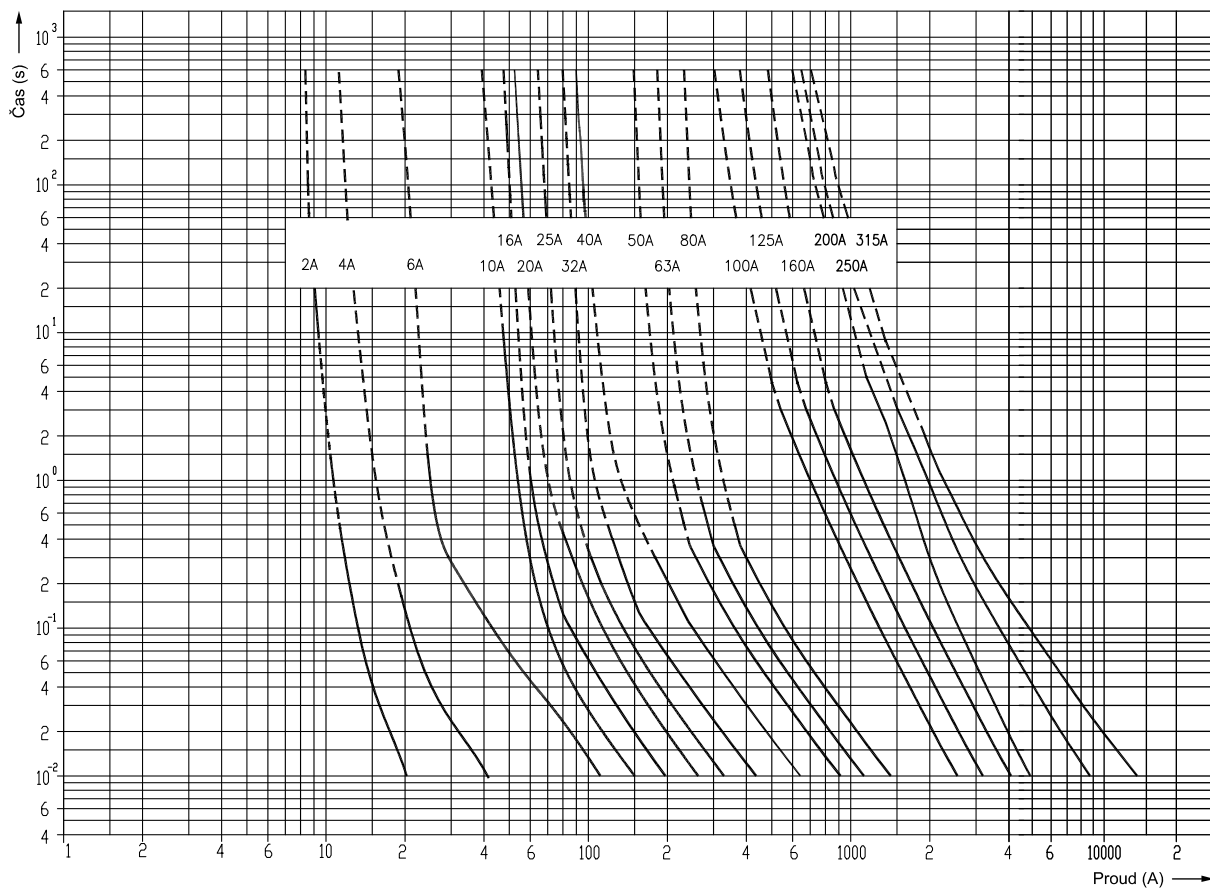
Přehled standardních i nestandardních rozměrů

| ETI VV THERMO | 2A | 4A | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 50A | 63A | 80A | 100A | 125A | 160A | 200A | 250A | 315A |
|---------------|----------|----|----|-----|-----|----------|-----|-----|----------|-----|----------|-----|----------|------|----------|------|------|------|
| 7,2 kV | 192 x 53 | | | | | | | | | | 192 x 68 | | 192 x 85 | | | | | |
| | 292 x 53 | | | | | | | | | | 292 x 68 | | 292 x 85 | | | | | |
| | 442 x 53 | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | | | | | | | | | | | | | 442 x 85 | | | | | |
| 12 kV | 192 x 53 | | | | | 192 x 68 | | | | | | | | | | | | |
| | 292 x 53 | | | | | | | | | | 292 x 68 | | 292 x 85 | | | | | |
| | 442 x 53 | | | | | | | | | | 442 x 68 | | 442 x 85 | | 537 x 85 | | | |
| | | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | | | | | | | | | | | | | 442 x 85 | | | | | |
| 17,5 kV | 292 x 53 | | | | | 292 x 68 | | | 292 x 85 | | | | | | | | | |
| | 367 x 53 | | | | | | | | | | 367 x 68 | | 367 x 85 | | | | | |
| | 442 x 53 | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | | | | | | | | | | | | | 442 x 85 | | | | | |
| 24 (25) kV | 292 x 53 | | | | | 292 x 68 | | | 292 x 85 | | | | | | | | | |
| | 442 x 53 | | | | | | | | | | 442 x 68 | | 442 x 85 | | | | | |
| | 537 x 53 | | | | | | | | | | 537 x 68 | | 537 x 85 | | | | | |
| | | | | | | | | | | | 537 x 68 | | 537 x 85 | | | | | |
| | | | | | | | | | | | | | 537 x 85 | | | | | |
| 36 (38,5) kV | 442 x 53 | | | | | 537 x 53 | | | 537 x 68 | | | | 537 x 85 | | | | | |
| | 537 x 53 | | | | | | | | | | 537 x 68 | | 537 x 85 | | | | | |

Tabulka udává rozměr e x d, hodnoty jsou uvedeny v mm.



Tavné ampérsekundové charakteristiky



Omezovací charakteristiky

