

Zapojení	Přístroj	Poznámka
1B1	Sít TN $I_n = 40 \text{ A}$ $U_2 = 242/420 \text{ V}$ $dU = 0.4 \%$	$I_{k1}'' = 1.86 \text{ kA}$
	TN-C TN-S	
1Q4	LTN-40B $I_n = 40 \text{ A}$ $Z_s(0.4s) = 1.15 \text{ Ohm}$ , $I_a = 201 \text{ A}$ , $R(50V/5s) = 249 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$
1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k1}'' = 1.86 \text{ kA}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ ) $i_p = 2.69 \text{ kA}$
	3f L1	$I_{k1}'' = 1.86 \text{ kA}$ $i_{p1} = 2.69 \text{ kA}$
1Q8	LTN-10B $I_n = 10 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 45 \text{ A}$
	$Z_s(0.4s) = 4.62 \text{ Ohm}$ , $I_a = 50 \text{ A}$ , $R(50V/5s) = 1.00 \text{ Ohm}$	
1L9	1-CXKE-R 3x1.5 $I_z = 21 \text{ A}$ $t_m = 103^\circ \text{ C}$ 15 m, (E) $dU = 1.7 \%$ $I^2 t < k^2 S^2$	$I_{k1}'' = 724 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $948 \text{ mOhm} < 4.62 \text{ Ohm}$ ) $i_{p1} = 1.04 \text{ kA}$
4206	Vývod $I = 10 \text{ A} \times 8 = 10 \text{ A}$ $I = 10.0 \text{ A}$ $U = 237 \text{ V}$ ( $U_n + 2.8\%$ ) $B = 1$	$\cos \phi_i = 0.95$ $I_{k1}'' = 724 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $948 \text{ mOhm} < 4.62 \text{ Ohm}$ ) $i_{p1} = 1.04 \text{ kA}$
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1Q4	LTN-40B $I_n = 40 \text{ A}$ $Z_s(0.4s) = 1.15 \text{ Ohm}$ , $I_a = 201 \text{ A}$ , $R(50V/5s) = 249 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k1}'' = 1.86 \text{ kA}$ $I_{k1}' = 1.86 \text{ kA}$ $I_p = 2.69 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ )
2Q8	LTN-10B $I_n = 10 \text{ A}$ $Z_s(0.4s) = 4.62 \text{ Ohm}$ , $I_a = 50 \text{ A}$ , $R(50V/5s) = 1.00 \text{ Ohm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 45 \text{ A}$	
2L9	1-CXKE-R 3x1.5 $I_z = 21 \text{ A}$ $t_m = 103^\circ \text{ C}$ 15 m, (E) $dU = 1.7 \%$ $I^2 t < k^2 S^2$	$I_{k1}'' = 724 \text{ A}$ $I_{k1}' = 724 \text{ A}$ $I_p = 1.04 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $948 \text{ mOhm} < 4.62 \text{ Ohm}$ )
4207	Vývod $I = 10 \text{ A} \times 8 = 10 \text{ A}$ $I = 10.0 \text{ A}$ $U = 237 \text{ V}$ ( $U_n + 2.8\%$ ) $B = 1$	$\cos \phi_i = 0.95$ $I_{k1}'' = 724 \text{ A}$ $I_{k1}' = 724 \text{ A}$ $I_p = 1.04 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $948 \text{ mOhm} < 4.62 \text{ Ohm}$ )

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1Q4	LTN-40B $I_n = 40 \text{ A}$ $Z_s(0.4s) = 1.15 \text{ Ohm}$ , $I_a = 201 \text{ A}$ , $R(50V/5s) = 249 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$
1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ ) $i_p = 2.69 \text{ kA}$
	3f L3	$I_{k1''} = 1.86 \text{ kA}$ $i_{p1} = 2.69 \text{ kA}$
3Q8	LTN-16B $I_n = 16 \text{ A}$ $Z_s(0.4s) = 2.87 \text{ Ohm}$ , $I_a = 81 \text{ A}$ , $R(50V/5s) = 621 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 72 \text{ A}$
3L9	1-CXKE-R 3x2.5 $I_z = 30 \text{ A}$ $t_m = 97^\circ \text{ C}$ 15 m, (E) $dU = 1.1 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 953 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $791 \text{ mOhm} < 2.87 \text{ Ohm}$ ) $i_{p1} = 1.37 \text{ kA}$
4222	Vývod $P = 2.4 \text{ kW}$ $x_B = 2.4 \text{ kW}$ $\cos \phi_i = 0.95$ $I = 10.9 \text{ A}$ $U = 239 \text{ V}$ ( $U_n + 3.4\%$ ) $B = 1$	$I_{k1''} = 953 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $791 \text{ mOhm} < 2.87 \text{ Ohm}$ ) $i_{p1} = 1.37 \text{ kA}$

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1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ ) $i_p = 2.69 \text{ kA}$
	3f L1	$I_{k1''} = 1.86 \text{ kA}$ $i_{p1} = 2.69 \text{ kA}$
4Q8	LTN-6B $I_n = 6 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 27 \text{ A}$
	$Z_s(0.4s) = 7.62 \text{ Ohm}$ , $I_a = 30 \text{ A}$ , $R(50V/5s) = 1.65 \text{ Ohm}$	
4L9	1-CXKE-R 3x1.5 $I_z = 21 \text{ A}$ $t_m = 50^\circ \text{ C}$ 15 m, (E) $dU = 0.1 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 724 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $977 \text{ mOhm} < 7.62 \text{ Ohm}$ ) $i_{p1} = 1.04 \text{ kA}$
4223	Vývod $P = 100 \text{ W}$ $x_B = 100 \text{ W}$ $\cos \phi_i = 0.95$ $I = 456 \text{ mA}$ $U = 241 \text{ V}$ ( $U_n + 4.5\%$ ) $B = 1$	$I_{k1''} = 724 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $977 \text{ mOhm} < 7.62 \text{ Ohm}$ ) $i_{p1} = 1.04 \text{ kA}$
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1Q4	LTN-40B $I_n = 40 \text{ A}$ $Z_s(0.4s) = 1.15 \text{ Ohm}$ , $I_a = 201 \text{ A}$ , $R(50V/5s) = 249 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.69 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ )
5Q8	LTN-32B $I_n = 32 \text{ A}$ $Z_s(0.4s) = 1.43 \text{ Ohm}$ , $I_a = 161 \text{ A}$ , $R(50V/5s) = 310 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 144 \text{ A}$	
5L9	1-CXKE-R 5x6 $I_z = 44 \text{ A}$ $t_m = 105^\circ \text{ C}$ 30 m, (E) $dU = 1.0 \%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.11 \text{ kA}$ $i_p = 1.61 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $757 \text{ mOhm} < 1.43 \text{ Ohm}$ )
5B10	Sběrnice $B = 0.5$ $U = 414 \text{ V}$ ( $U_n + 3.5\%$ )	$I_{k''} = 1.11 \text{ kA}$ $i_p = 1.61 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $757 \text{ mOhm} < 1.43 \text{ Ohm}$ )
	3f L1	$I_{k1''} = 1.03 \text{ kA}$ $i_{p1} = 1.49 \text{ kA}$	
5FI12	OLI-16B-1N-030AC $I_n = 16 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $Z_s(0.4s) = 1.54 \text{ kOhm}$ , $5xI_{dn} = 0.15 \text{ A}$ , $R(50V/5s) = 1.7 \text{ kOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 72 \text{ A}$	
5L13	1-CXKE-R 3x2.5 $I_z = 30 \text{ A}$ $t_m = 97^\circ \text{ C}$ 30 m, (E) $dU = 3.4 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 494 \text{ A}$ $i_{p1} = 713 \text{ A}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
4237	Vývod $I = 16 \text{ A} \times 8 = 16 \text{ A}$ $I = 16.0 \text{ A}$ $U = 231 \text{ V}$ ( $U_n + 0.1\%$ ) $B = 1$	$\cos \phi = 0.95$ $I_{k1''} = 494 \text{ A}$ $i_{p1} = 713 \text{ A}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
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1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ $I_p = 2.69 \text{ kA}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ )
5Q8	LTN-32B $I_n = 32 \text{ A}$ $Z_s(0.4s) = 1.43 \text{ Ohm}$ , $I_a = 161 \text{ A}$ , $R(50V/5s) = 310 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 144 \text{ A}$
5L9	1-CXKE-R 5x6 $I_z = 44 \text{ A}$ $t_m = 105^\circ \text{ C}$ 30 m, (E) $dU = 1.0 \%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.11 \text{ kA}$ $I_p = 1.61 \text{ kA}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $757 \text{ mOhm} < 1.43 \text{ Ohm}$ )
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	3f L2	$I_{k1''} = 1.03 \text{ kA}$ $I_{p1} = 1.49 \text{ kA}$
6F112	OLI-16B-1N-030AC $I_n = 16 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $Z_s(0.4s) = 1.54 \text{ kOhm}$ , $5 \times I_{dn} = 0.15 \text{ A}$ , $R(50V/5s) = 1.7 \text{ kOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 72 \text{ A}$
6L13	1-CXKE-R 3x2.5 $I_z = 30 \text{ A}$ $t_m = 97^\circ \text{ C}$ 30 m, (E) $dU = 3.4 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 494 \text{ A}$ $I_{p1} = 713 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
4238	Vývod $I = 16 \text{ A} \times 8 = 16 \text{ A}$ $I = 16.0 \text{ A}$ $U = 231 \text{ V}$ ( $U_n + 0.1\%$ ) $B = 1$	$\cos \phi_i = 0.95$ $I_{k1''} = 494 \text{ A}$ $I_{p1} = 713 \text{ A}$ O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
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1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.69 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ )
5Q8	LTN-32B $I_n = 32 \text{ A}$ $Z_s(0.4s) = 1.43 \text{ Ohm}$ , $I_a = 161 \text{ A}$ , $R(50V/5s) = 310 \text{ mOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 144 \text{ A}$	
5L9	1-CXKE-R 5x6 $I_z = 44 \text{ A}$ $t_m = 105^\circ \text{ C}$ 30 m, (E) $dU = 1.0 \%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.11 \text{ kA}$ $i_p = 1.61 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $757 \text{ mOhm} < 1.43 \text{ Ohm}$ )
5B10	Sběrnice $B = 0.5$ $U = 414 \text{ V}$ ( $U_n + 3.5\%$ )	$I_{k''} = 1.11 \text{ kA}$ $i_p = 1.61 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $757 \text{ mOhm} < 1.43 \text{ Ohm}$ )
	3f L3	$I_{k1''} = 1.03 \text{ kA}$ $i_{p1} = 1.49 \text{ kA}$	
7F112	OLI-16B-1N-030AC $I_n = 16 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $Z_s(0.4s) = 1.54 \text{ kOhm}$ , $5xI_{dn} = 0.15 \text{ A}$ , $R(50V/5s) = 1.7 \text{ kOhm}$	$I_{cn} = 10 \text{ kA}$ $I_i = 72 \text{ A}$	
7L13	1-CXKE-R 3x2.5 $I_z = 30 \text{ A}$ $t_m = 97^\circ \text{ C}$ 30 m, (E) $dU = 3.4 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 494 \text{ A}$ $i_{p1} = 713 \text{ A}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
4239	Vývod $I = 16 \text{ A} \times 8 = 16 \text{ A}$ $I = 16.0 \text{ A}$ $U = 231 \text{ V}$ ( $U_n + 0.1\%$ ) $B = 1$	$\cos \phi_i = 0.95$ $I_{k1''} = 494 \text{ A}$ $i_{p1} = 713 \text{ A}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
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1B6	Sběrnice $B = 0.3$ $U = 418 \text{ V}$ ( $U_n + 4.5\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.69 \text{ kA}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $541 \text{ mOhm} < 1.15 \text{ Ohm}$ )
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4240	Vývod $I = 16 \text{ A} \times 8 = 16 \text{ A}$ $I = 16.0 \text{ A}$ $U = 231 \text{ V}$ ( $U_n + 0.1\%$ ) $B = 1$	$\cos \phi_i = 0.95$ $I_{k1''} = 494 \text{ A}$ $i_{p1} = 713 \text{ A}$	O.K. $Z_{sv} < Z_s(0.4s)$ ( $1.25 \text{ Ohm} < 1.54 \text{ kOhm}$ )
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