







Zapojení	Přístroj	Poznámka				Síť TN, Un = 230 / 400 V
1B1	Síť TN U2 = 242/420 V	In = 250 A	Ik'' = 10.3 kA ip = 20.4 kA			
1Q3	BC160N-63-L	In = 63 A Zs(0,4s) = 825 mOhm (Ia = 280 A)	Icu = 25 kA io = 11.3 kA	Ii = 252 A		
1L4	1-AYKY 4x35	Iz = 90 A tm = 59 ° C dU = 1.7 % I²t < k²S²	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1.5	Vývod	S = 20 kVA xB = 20 kVA cos fi = 0.95 I = 28.9 A U = 412 V (Un + 3.0%) B = 1	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1Q6	LPN-40B	In = 40 A Zs(0,4s) = 1.16 Ohm (Ia = 200 A)	Icn = 10 kA ip = 5.65 kA	Ii = 180 A		
1L7	CYKY4x16	Iz = 80 A tm = 47 ° C dU = 1.4 % I²t < k²S²	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
TN-C TN-S						
1S10	APN-63	In = 63 A				
1B12	Sběrnice	B = 0.3 U = 406 V (Un + 1.6%)	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
3f L1						
1F14	OLI-10B-1N-030AC	In = 10 A Idn = 0.03 A	Icn = 10 kA	Ii = 45 A		
1L15	CYKY3x1,5	Zs(0,4s) = 1.54 kOhm (5xIdn = 0,15A) Iz = 15.4 A tm = 67 ° C dU = 3.6 % I²t < k²S²	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.13 Ohm < 1.54 kOhm )		
L1						
1.25	Vývod	I = 10 A xB = 10 A cos fi = 0.95 I = 10.0 A U = 226 V (Un - 2.0%) B = 1	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.13 Ohm < 1.54 kOhm )		
L1						

Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_{k''} = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7 \%$ $I^2 t < k^2 S^2$	$I_{k''} = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_{k''} = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4 \%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
2FI14	OLI-10B-1N-030AC	$I_n = 10 \text{ A}$ $I_{dn} = 0.03 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 45 \text{ A}$	
2L15	CYKY3x1,5	$I_z = 15.4 \text{ A}$ $t_m = 67^\circ \text{ C}$ $dU = 3.6 \%$ $I^2 t < k^2 S^2$	$I_{k1''} = 412 \text{ A}$ $i_{p1} = 594 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.13 \text{ }\Omega < 1.54 \text{ k}\Omega$ )
2.25	Vývod	$I = 10 \text{ A}$ $x_B = 10 \text{ A}$ $\cos \phi_i = 0.95$ $I = 10.0 \text{ A}$ $U = 226 \text{ V}$ ( $U_n - 2.0\%$ ) $B = 1$	$I_{k1''} = 412 \text{ A}$ $i_{p1} = 594 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.13 \text{ }\Omega < 1.54 \text{ k}\Omega$ )

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Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_{k''} = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_{k''} = 3.91 \text{ kA}$ $i_o = 11.3 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_{k''} = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
	TN-C TN-S			
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
5Q14	LPN-10B	$I_n = 10 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 45 \text{ A}$	
5L15	CYKY 5x1.5	$I_z = 12.9 \text{ A}$ $t_m = 87^\circ \text{ C}$ $dU = 1.8\%$ $I^2 t < k^2 S^2$	$I_{k''} = 483 \text{ A}$ $i_p = 696 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.16 \text{ }\Omega < 4.65 \text{ }\Omega$ )
5.25	Vývod	$I = 10 \text{ A}$ $x_B = 10 \text{ A}$ $\cos \phi_i = 0.95$ $I = 10.0 \text{ A}$ $U = 399 \text{ V}$ ( $U_n - 0.3\%$ ) $B = 1$	$I_{k''} = 483 \text{ A}$ $i_p = 696 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.16 \text{ }\Omega < 4.65 \text{ }\Omega$ )



Zapojení	Přístroj	Poznámka				Sít TN, Un = 230 / 400 V
1B1	Sít TN U2 = 242/420 V	In = 250 A	Ik''= 10.3 kA	ip = 20.4 kA		
1Q3	BC160N-63-L	In = 63 A	Icu = 25 kA	Ii = 252 A		
1L4	1-AYKY 4x35	Iz = 90 A    tm = 59 ° C dU = 1.7 %    I²t < k²S²	io = 11.3 kA Ik''= 3.91 kA ip = 5.65 kA		O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )	
1.5	Vývod S = 20 kVA x8 = 20 kVA cos fi = 0.95	I = 28.9 A    U = 412 V (Un + 3.0%) B = 1	Ik''= 3.91 kA ip = 5.65 kA		O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )	
1Q6	LPN-40B	In = 40 A	Icn = 10 kA	Ii = 180 A		
1L7	CYKY4x16	Iz = 80 A    tm = 47 ° C dU = 1.4 %    I²t < k²S²	ip = 5.65 kA Ik''= 1.86 kA ip = 2.68 kA		O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )	
	TN-C TN-S					
1S10	APN-63	In = 63 A				
1B12	Sběrnice	B = 0.3 U = 406 V (Un + 1.6%)	Ik''= 1.86 kA ip = 2.68 kA		O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )	
6Q14	LPN-10B	In = 10 A	Icn = 10 kA	Ii = 45 A		
6L15	CYKY 5x1,5	Iz = 12.9 A    tm = 87 ° C dU = 1.8 %    I²t < k²S²	ip = 2.68 kA Ik''= 483 A ip = 696 A		O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )	
6.25	Vývod I= 10 A x8 = 10 A cos fi = 0.95	I = 10.0 A    U = 399 V (Un - 0.3%) B = 1	Ik''= 483 A ip = 696 A		O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )	

Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_k' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
	TN-C TN-S			
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
7Q14	LPN-10B	$I_n = 10 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 45 \text{ A}$	
7L15	CYKY 5x1.5	$I_z = 12.9 \text{ A}$ $t_m = 87^\circ \text{ C}$ $dU = 1.8\%$ $I^2 t < k^2 S^2$	$I_k' = 483 \text{ A}$ $i_p = 696 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.16 \text{ }\Omega < 4.65 \text{ }\Omega$ )
7.25	Vývod	$I = 10 \text{ A}$ $x_B = 10 \text{ A}$ $\cos \phi_i = 0.95$ $I = 10.0 \text{ A}$ $U = 399 \text{ V}$ ( $U_n - 0.3\%$ ) $B = 1$	$I_k' = 483 \text{ A}$ $i_p = 696 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $1.16 \text{ }\Omega < 4.65 \text{ }\Omega$ )

Zapojení	Přístroj	Poznámka				Sít TN, Un = 230 / 400 V
1B1	Sít TN U2 = 242/420 V	In = 250 A	Ik''= 10.3 kA	ip = 20.4 kA		
1Q3	BC160N-63-L	In = 63 A	Icu = 25 kA	Ii = 252 A		
1L4	1-AYKY 4x35	Iz = 90 A    tm = 59 ° C dU = 1.7 %    I²t < k²S²	io = 11.3 kA Ik''= 3.91 kA ip = 5.65 kA		O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )	
1.5	Vývod S = 20 kVA x8 = 20 kVA cos fi = 0.95	I = 28.9 A    U = 412 V (Un + 3.0%) B = 1	Ik''= 3.91 kA ip = 5.65 kA		O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )	
1Q6	LPN-40B	In = 40 A	Icn = 10 kA	Ii = 180 A		
1L7	CYKY4x16	Iz = 80 A    tm = 47 ° C dU = 1.4 %    I²t < k²S²	ip = 5.65 kA Ik''= 1.86 kA ip = 2.68 kA		O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )	
	TN-C TN-S					
1S10	APN-63	In = 63 A				
1B12	Sběrnice	B = 0.3 U = 406 V (Un + 1.6%)	Ik''= 1.86 kA ip = 2.68 kA		O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )	
8Q14	LPN-10B	In = 10 A	Icn = 10 kA	Ii = 45 A		
8L15	CYKY 5x1,5	Iz = 12.9 A    tm = 87 ° C dU = 1.8 %    I²t < k²S²	ip = 2.68 kA Ik''= 483 A ip = 696 A		O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )	
8.25	Vývod I= 10 A x8 = 10 A cos fi = 0.95	I = 10.0 A    U = 399 V (Un - 0.3%) B = 1	Ik''= 483 A ip = 696 A		O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )	

Zapojení	Přístroj	Poznámka			Sít TN, Un = 230 / 400 V
1B1	Sít TN U2 = 242/420 V	In = 250 A Ik'' = 10.3 kA ip = 20.4 kA			
1Q3	BC160N-63-L Zs(0,4s) = 825 mOhm (Ia = 280 A)	In = 63 A Icu = 25 kA Ii = 252 A io = 11.3 kA			
1L4	1-AYKY 4x35 Iz = 90 A tm = 59 ° C dU = 1.7 % I²t < k²S²	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1.5	Vývod S = 20 kVA xB = 20 kVA cos fi = 0.95 I = 28.9 A U = 412 V (Un + 3.0%) B = 1	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1Q6	LPN-40B Zs(0,4s) = 1.16 Ohm (Ia = 200 A)	In = 40 A Icn = 10 kA Ii = 180 A ip = 5.65 kA			
1L7	CYKY4x16 Iz = 80 A tm = 47 ° C dU = 1.4 % I²t < k²S²	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
	TN-C TN-S				
1S10	APN-63 In = 63 A				
1B12	Sběrnice B = 0.3 U = 406 V (Un + 1.6%)	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
	3f L1				
9Q14	LPN-10B Zs(0,4s) = 4.65 Ohm (Ia = 50 A)	In = 10 A Icn = 10 kA Ii = 45 A ip1 = 2.20 kA			
9L15	CYKY3x1,5 Iz = 15.4 A tm = 67 ° C dU = 3.6 % I²t < k²S²	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.13 Ohm < 4.65 Ohm )		
9.25	Vývod I = 10 A xB = 10 A cos fi = 0.95 I = 10.0 A U = 226 V (Un - 2.0%) B = 1	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.13 Ohm < 4.65 Ohm )		
	L1				

Zapojení	Přístroj	Poznámka	
1B1	Síť TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$ $I_k'' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L $Z_s(0,4s) = 825 \text{ m}\Omega$ ( $I_a = 280 \text{ A}$ )	$I_n = 63 \text{ A}$ $I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$ $i_o = 11.3 \text{ kA}$	
1L4	1-AYKY 4x35 $I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7 \%$ $I^2 t < k^2 S^2$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod $S = 20 \text{ kVA} \times B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B $Z_s(0,4s) = 1.16 \text{ }\Omega$ ( $I_a = 200 \text{ A}$ )	$I_n = 40 \text{ A}$ $I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$ $i_p = 5.65 \text{ kA}$	
1L7	CYKY4x16 $I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4 \%$ $I^2 t < k^2 S^2$	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
1S10	APN-63 $I_n = 63 \text{ A}$		
1B12	Sběrnice $B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
10F114	OLI-40B-1N-030AC $Z_s(0,4s) = 1.54 \text{ k}\Omega$ ( $5 \times I_{dn} = 0,15 \text{ A}$ )	$I_n = 40 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
10B15	Sběrnice $B = 0.5$ $U = 234 \text{ V}$ ( $U_n + 1.5\%$ )	$I_k'' = 1.52 \text{ kA}$ $i_{p1} = 2.20 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $302 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
10Q16	LPN-16B $Z_s(0,4s) = 2.88 \text{ }\Omega$ ( $I_a = 80 \text{ A}$ )	$I_n = 16 \text{ A}$ $I_{cn} = 10 \text{ kA}$ $I_i = 72 \text{ A}$ $i_{p1} = 2.20 \text{ kA}$	
10L17	CYKY3x2,5 $I_z = 21 \text{ A}$ $t_m = 84^\circ \text{ C}$ $dU = 3.5 \%$ $I^2 t < k^2 S^2$	$I_k'' = 584 \text{ A}$ $i_{p1} = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
10.25	Vývod $I = 16 \text{ A} \times B = 16 \text{ A}$ $\cos \phi_i = 0.95$ $I = 16.0 \text{ A}$ $U = 226 \text{ V}$ ( $U_n - 2.0\%$ ) $B = 1$	$I_k'' = 584 \text{ A}$ $i_{p1} = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )

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1B1	Sít TN $I_n = 250 \text{ A}$ $U_2 = 242/420 \text{ V}$	$I_k'' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L $I_n = 63 \text{ A}$ $Z_s(0,4s) = 825 \text{ m}\Omega$ ( $I_a = 280 \text{ A}$ )	$I_{cu} = 25 \text{ kA}$ $i_o = 11.3 \text{ kA}$	$I_i = 252 \text{ A}$
1L4	1-AYKY 4x35 $I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod $S = 20 \text{ kVA} \times B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B $I_n = 40 \text{ A}$ $Z_s(0,4s) = 1.16 \text{ }\Omega$ ( $I_a = 200 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 5.65 \text{ kA}$	$I_i = 180 \text{ A}$
1L7	CYKY4x16 $I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
TN-C TN-S			
1S10	APN-63 $I_n = 63 \text{ A}$		
1B12	Sběrnice $B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
3f L1			
10FI14	OLI-40B-1N-030AC $I_n = 40 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $Z_s(0,4s) = 1.54 \text{ k}\Omega$ ( $5 \times I_{dn} = 0.15 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 2.20 \text{ kA}$	$I_i = 180 \text{ A}$
10B15	Sběrnice $B = 0.5$ $U = 234 \text{ V}$ ( $U_n + 1.5\%$ )	$I_k'' = 1.52 \text{ kA}$ $i_p = 2.20 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $302 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
11Q16	LPN-16B $I_n = 16 \text{ A}$ $Z_s(0,4s) = 2.88 \text{ }\Omega$ ( $I_a = 80 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 2.20 \text{ kA}$	$I_i = 72 \text{ A}$
11L17	CYKY3x2,5 $I_z = 21 \text{ A}$ $t_m = 84^\circ \text{ C}$ $dU = 3.5\%$ $I^2 t < k^2 S^2$	$I_k'' = 584 \text{ A}$ $i_p = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
L1			
11.25	Vývod $I = 16 \text{ A} \times B = 16 \text{ A}$ $\cos \phi_i = 0.95$ $I = 16.0 \text{ A}$ $U = 226 \text{ V}$ ( $U_n - 2.0\%$ ) $B = 1$	$I_k'' = 584 \text{ A}$ $i_p = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )

Zapojení	Přístroj	Poznámka	
1B1	Síť TN $I_n = 250 \text{ A}$ $U_2 = 242/420 \text{ V}$	$I_k'' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L $I_n = 63 \text{ A}$ $Z_s(0,4s) = 825 \text{ m}\Omega$ ( $I_a = 280 \text{ A}$ )	$I_{cu} = 25 \text{ kA}$ $i_o = 11.3 \text{ kA}$	$I_i = 252 \text{ A}$
1L4	1-AYKY 4x35 $I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod $S = 20 \text{ kVA} \times B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k'' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B $I_n = 40 \text{ A}$ $Z_s(0,4s) = 1.16 \text{ }\Omega$ ( $I_a = 200 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 5.65 \text{ kA}$	$I_i = 180 \text{ A}$
1L7	CYKY4x16 $I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
1S10	APN-63 $I_n = 63 \text{ A}$		
1B12	Sběrnice $B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k'' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
10F114	OLI-40B-1N-030AC $I_n = 40 \text{ A}$ $I_{dn} = 0.03 \text{ A}$ $Z_s(0,4s) = 1.54 \text{ k}\Omega$ ( $5 \times I_{dn} = 0.15 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 2.20 \text{ kA}$	$I_i = 180 \text{ A}$
10B15	Sběrnice $B = 0.5$ $U = 234 \text{ V}$ ( $U_n + 1.5\%$ )	$I_k'' = 1.52 \text{ kA}$ $i_p = 2.20 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $302 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
12Q16	LPN-16B $I_n = 16 \text{ A}$ $Z_s(0,4s) = 2.88 \text{ }\Omega$ ( $I_a = 80 \text{ A}$ )	$I_{cn} = 10 \text{ kA}$ $i_p = 2.20 \text{ kA}$	$I_i = 72 \text{ A}$
12L17	CYKY3x2,5 $I_z = 21 \text{ A}$ $t_m = 84^\circ \text{ C}$ $dU = 3.5\%$ $I^2 t < k^2 S^2$	$I_k'' = 584 \text{ A}$ $i_p = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )
12.25	Vývod $I = 16 \text{ A} \times B = 16 \text{ A}$ $\cos \phi_i = 0.95$ $I = 16.0 \text{ A}$ $U = 226 \text{ V}$ ( $U_n - 2.0\%$ ) $B = 1$	$I_k'' = 584 \text{ A}$ $i_p = 842 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $813 \text{ m}\Omega < 1.54 \text{ k}\Omega$ )

Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_k' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
	TN-C TN-S			
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
13.25	Vývod	$I = 6.0 \text{ A}$ $x_B = 6.0 \text{ A}$ $\cos \phi_i = 0.95$ $I = 6.00 \text{ A}$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ ) $B = 1$	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )



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Zapojení	Přístroj	Poznámka			Sít TN, Un = 230 / 400 V
1B1	Sít TN U2 = 242/420 V	In = 250 A Ik'' = 10.3 kA ip = 20.4 kA			
1Q3	BC160N-63-L Zs(0,4s) = 825 mOhm (Ia = 280 A)	In = 63 A Icu = 25 kA Ii = 252 A io = 11.3 kA			
1L4	1-AYKY 4x35 Iz = 90 A tm = 59 ° C dU = 1.7 % I²t < k²S²	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1.5	Vývod S = 20 kVA xB = 20 kVA cos fi = 0.95 I = 28.9 A U = 412 V (Un + 3.0%) B = 1	Ik'' = 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1Q6	LPN-40B Zs(0,4s) = 1.16 Ohm (Ia = 200 A)	In = 40 A Icn = 10 kA Ii = 180 A ip = 5.65 kA			
1L7	CYKY4x16 Iz = 80 A tm = 47 ° C dU = 1.4 % I²t < k²S²	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
	TN-C TN-S				
1S10	APN-63 In = 63 A				
1B12	Sběrnice B = 0.3 U = 406 V (Un + 1.6%)	Ik'' = 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
	3f L3				
15Q14	LPN-6B Zs(0,4s) = 7.66 Ohm (Ia = 30 A)	In = 6 A Icn = 10 kA Ii = 27 A ip1 = 2.20 kA			
15L15	CYKY3x1,5 Iz = 15.4 A tm = 40 ° C dU = 2.1 % I²t < k²S²	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.11 Ohm < 7.66 Ohm )		
15.25	Vývod I = 6.0 A xB = 6.0 A cos fi = 0.95 I = 6.00 A U = 230 V (Un - 0.6%) B = 1	Ik1'' = 412 A ip1 = 594 A	O.K. Zsv < Zs(0,4s) ( 1.11 Ohm < 7.66 Ohm )		
	L3				

Zapojení	Přístroj	Poznámka			Síť TN, Un = 230 / 400 V
1B1	Síť TN U2 = 242/420 V	In = 250 A Ik''= 10.3 kA ip = 20.4 kA			
1Q3	BC160N-63-L Zs(0,4s) = 825 mOhm (Ia = 280 A)	In = 63 A Icu = 25 kA io = 11.3 kA	li = 252 A		
1L4	1-AYKY 4x35 Iz = 90 A tm = 59 ° C dU = 1.7 % I²t < k²S²	Ik''= 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1.5	Vývod S = 20 kVA xB = 20 kVA cos fi = 0.95 I = 28.9 A U = 412 V (Un + 3.0%) B = 1	Ik''= 3.91 kA ip = 5.65 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
1Q6	LPN-40B Zs(0,4s) = 1.16 Ohm (Ia = 200 A)	In = 40 A Icn = 10 kA ip = 5.65 kA	li = 180 A		
1L7	CYKY4x16 Iz = 80 A tm = 47 ° C dU = 1.4 % I²t < k²S²	Ik''= 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
	TN-C TN-S				
1S10	APN-63 In = 63 A				
1B12	Sběrnice B = 0.3 U = 406 V (Un + 1.6%)	Ik''= 1.86 kA ip = 2.68 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
16Q14	LPN-10B Zs(0,4s) = 4.65 Ohm (Ia = 50 A)	In = 10 A Icn = 10 kA ip = 2.68 kA	li = 45 A		
16L15	CYKY 5x1,5 Iz = 12.9 A tm = 87 ° C dU = 0.1 % I²t < k²S²	Ik''= 483 A ip = 696 A	O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )		
16.25	Vývod P = 360 W xB = 360 W cos fi = 0.95 I = 547 mA U = 406 V (Un + 1.5%) B = 1	Ik''= 483 A ip = 696 A	O.K. Zsv < Zs(0,4s) ( 1.16 Ohm < 4.65 Ohm )		

Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_k' = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ ) $B = 1$	$I_k' = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $151 \text{ m}\Omega < 825 \text{ m}\Omega$ )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
	TN-C TN-S			
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )
17.25	Vývod	$P = 1.5 \text{ kW}$ $x_B = 1.5 \text{ kW}$ $\cos \phi_i = 0.95$ $I = 2.28 \text{ A}$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ ) $B = 1$	$I_k' = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( $301 \text{ m}\Omega < 1.16 \text{ }\Omega$ )

Zapojení	Přístroj	Poznámka		
1B1	Sít TN $U_2 = 242/420 \text{ V}$	$I_n = 250 \text{ A}$	$I_{k''} = 10.3 \text{ kA}$ $i_p = 20.4 \text{ kA}$	
1Q3	BC160N-63-L	$I_n = 63 \text{ A}$	$I_{cu} = 25 \text{ kA}$ $I_i = 252 \text{ A}$	
1L4	1-AYKY 4x35	$I_z = 90 \text{ A}$ $t_m = 59^\circ \text{ C}$ $dU = 1.7\%$ $I^2 t < k^2 S^2$	$I_{k''} = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 151 mOhm < 825 mOhm )
1.5	Vývod	$S = 20 \text{ kVA}$ $x_B = 20 \text{ kVA}$ $\cos \phi_i = 0.95$ $I = 28.9 \text{ A}$ $U = 412 \text{ V}$ ( $U_n + 3.0\%$ )	$B = 1$ $I_{k''} = 3.91 \text{ kA}$ $i_p = 5.65 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 151 mOhm < 825 mOhm )
1Q6	LPN-40B	$I_n = 40 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 180 \text{ A}$	
1L7	CYKY4x16	$I_z = 80 \text{ A}$ $t_m = 47^\circ \text{ C}$ $dU = 1.4\%$ $I^2 t < k^2 S^2$	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 301 mOhm < 1.16 Ohm )
	TN-C TN-S			
1S10	APN-63	$I_n = 63 \text{ A}$		
1B12	Sběrnice	$B = 0.3$ $U = 406 \text{ V}$ ( $U_n + 1.6\%$ )	$I_{k''} = 1.86 \text{ kA}$ $i_p = 2.68 \text{ kA}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 301 mOhm < 1.16 Ohm )
18Q14	LPN-10C	$I_n = 10 \text{ A}$	$I_{cn} = 10 \text{ kA}$ $I_i = 82.50 \text{ A}$	
18L15	CYKY 5x2,5	$I_z = 17.5 \text{ A}$ $t_m = 56^\circ \text{ C}$ $dU = 0.2\%$ $I^2 t < k^2 S^2$	$I_{k''} = 687 \text{ A}$ $i_p = 991 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 800 mOhm < 2.57 Ohm )
18.25	Vývod	$P = 1.5 \text{ kW}$ $x_B = 1.5 \text{ kW}$ $\cos \phi_i = 0.95$ $I = 2.28 \text{ A}$ $U = 405 \text{ V}$ ( $U_n + 1.3\%$ )	$B = 1$ $I_{k''} = 687 \text{ A}$ $i_p = 991 \text{ A}$	O.K. $Z_{sv} < Z_s(0,4s)$ ( 800 mOhm < 2.57 Ohm )



Zapojení	Přístroj	Poznámka				Síť TN, Un = 230 / 400 V
1B1	Síť TN U2 = 242/420 V	In = 250 A	Ik''= 10.3 kA			
			ip = 20.4 kA			
1Q3	BC160N-63-L	In = 63 A	Icu = 25 kA	li = 252 A		
		Zs(0,4s) = 825 mOhm (Ia = 280 A)	io = 11.3 kA			
1L4	1-AYKY 4x35	Iz = 90 A    tm = 59 ° C	Ik''= 3.91 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )		
		dU = 1.7 %    I²t < k²S²	ip = 5.65 kA			
1.5	Vývod S = 20 kVA xB = 20 kVA cos fi = 0.95	Ik''= 3.91 kA	O.K. Zsv < Zs(0,4s) ( 151 mOhm < 825 mOhm )			
	I = 28.9 A    U = 412 V (Un + 3.0%) B = 1	ip = 5.65 kA				
1Q6	LPN-40B	In = 40 A	Icn = 10 kA	li = 180 A		
		Zs(0,4s) = 1.16 Ohm (Ia = 200 A)	ip = 5.65 kA			
1L7	CYKY4x16	Iz = 80 A    tm = 47 ° C	Ik''= 1.86 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
		dU = 1.4 %    I²t < k²S²	ip = 2.68 kA			
	TN-C					
	TN-S					
1S10	APN-63	In = 63 A				
1B12	Sběrnice	B = 0.3	Ik''= 1.86 kA	O.K. Zsv < Zs(0,4s) ( 301 mOhm < 1.16 Ohm )		
		U = 406 V (Un + 1.6%)	ip = 2.68 kA			
	3f					
	L1					
20FI14	OLI-16B-1N-030AC	In = 16 A    Idn = 0.03 A	Icn = 10 kA	li = 72 A		
		Zs(0,4s) = 1.54 kOhm (5xIdn = 0,15A)				
20L15	CYKY3x2,5	Iz = 21 A    tm = 84 ° C	Ik1''= 584 A	O.K. Zsv < Zs(0,4s) ( 811 mOhm < 1.54 kOhm )		
		dU = 0.2 %    I²t < k²S²	ip1 = 842 A			
20.25	Vývod P = 200 W xB = 200 W cos fi = 0.95	Ik1''= 584 A	O.K. Zsv < Zs(0,4s) ( 811 mOhm < 1.54 kOhm )			
	I = 912 mA    U = 234 V (Un + 1.4%) B = 1	ip1 = 842 A				
	L1					

