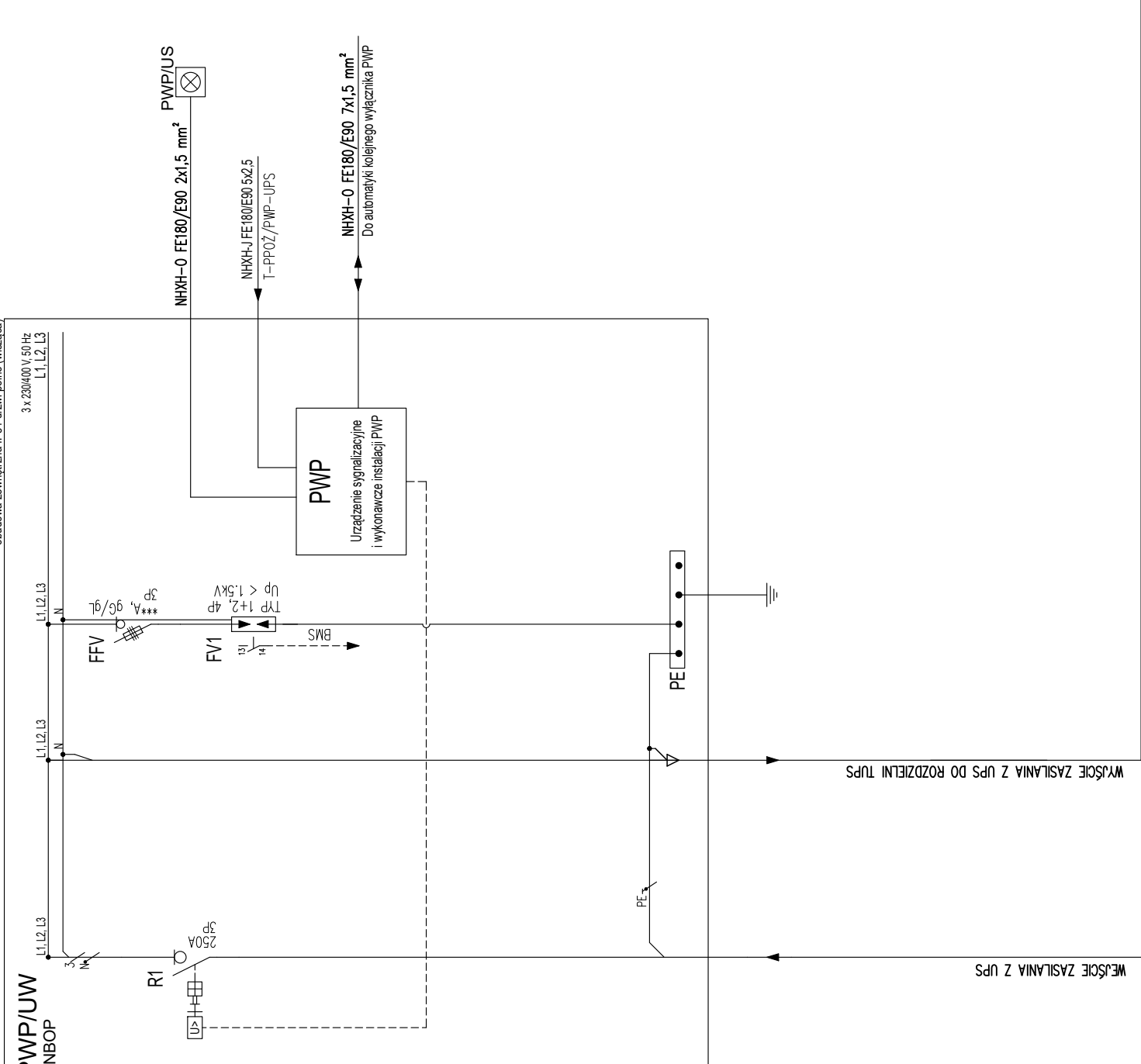


Rozdzielnica wyłącznika pożarowego PWP (PWP-UPS)

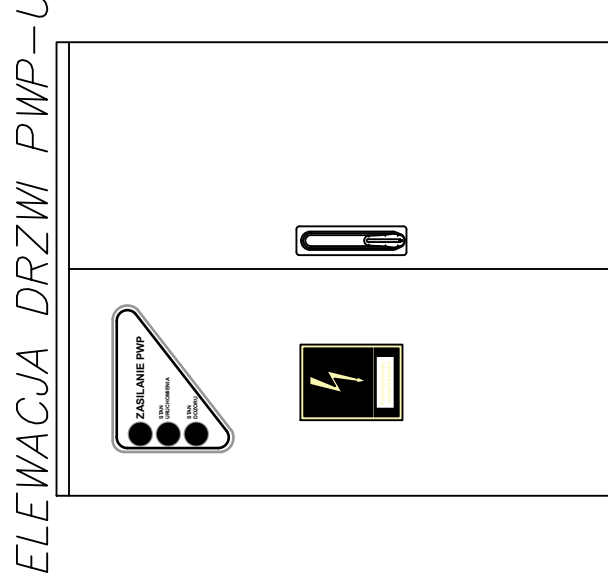
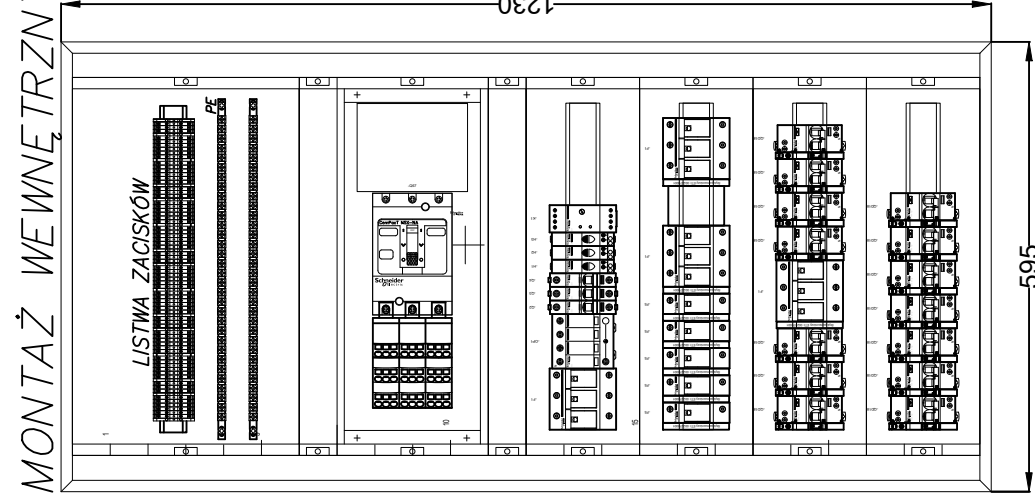
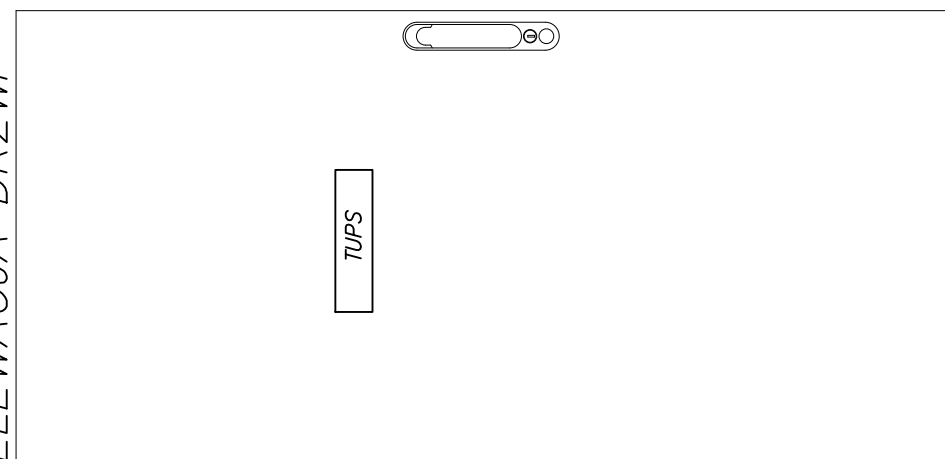


Tablica rozdzielcza elektryczna, IP40, izolująca, pomiarowanie sekcji

Prąd zwarcowy I_{sc}: 4,8kA

Tablica rozdzielcza elektryczna, IP40, izolująca, pomiarowanie sekcji

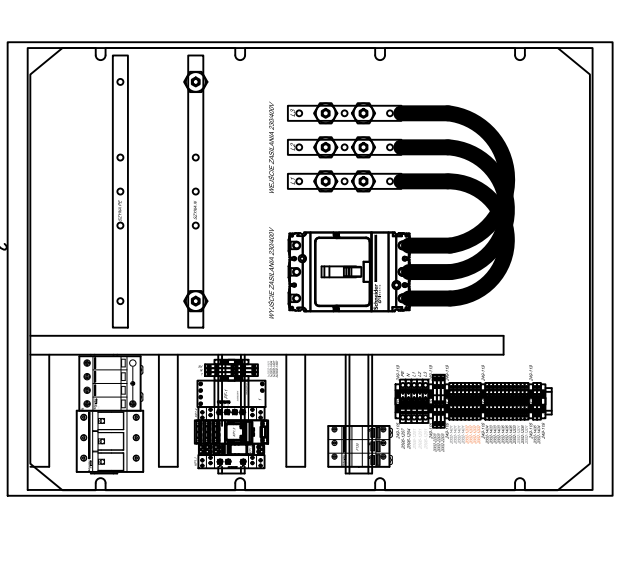
Prąd zwarcowy I_{sc}: 4,8kA



UWAGA:
1. Projekt realizuje konkretny ciąg technologiczny, więc dopuszcza się stosowanie urządzeń technicznych co do ich cech i parametrów, a wszystkie nazwy firmowe urządzeń i wyrobów użyte w dokumentacji projektowej powinny być traktowane jako definicje standardu, a nie jako konkretne nazwy firmowe tych urządzeń i wyrobów zastosowanych w dokumentacji.

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600x800x245

OPRACOWANIE PROJEKTU:
SŁOWNICZNE WYKŁADZENIE WYKŁADZIE TUS

Ochrona podłazowa:
- izolacja podłazowa części czynnych
- stosowanie dodatków i osłon o stopniu ochrony co najmniej IP2X
Ochrona przy uszkodzeniu:
- samoczynne wyłączenie zasilania
- izolacja podłazowa lub wzmacniacze
- urządzenia II klasy ochronności
Ochrona uzupełniająca:
- urządzenia ochronne (różnicoprądowe nieprzekraczające I_n=30 mA
- dodatkowe połączenia wyrównawcze ochronne

BILANS MOCY
S_P P₁ = 420 kW
k₁ z = 1,00
P₂ = 420 kW
I_D = 6403 A

Na schemacie, obok symboli, podano podstawowe parametry aparatów zabezpieczających

UWAGA:
- *** To zabezpieczenie odromnika przepięciowego (lew. kolumna) jest zastosowaniem) należy dobrać zgodnie z zaleceniami producenta odromnika
- Zapewnić szerszą miejscę w obudowie na poziomie 30%

nr rod.	FV1	P1	P2	TUPSS-AWL1	TUPSS-AWL2	TUPSS-SKP1	TUPSS-SKP2	TUPSS-SZR	TUPSS-GPD11	TUPSS-GPD12	TUPSS-GPD21	TUPSS-GPD22	TUPSS-GPD31	TUPSS-GPD32	TUPSS-GPD41	TUPSS-GPD42	TUPSS-GPD51	TUPSS-GPD52	TUPSS-GPD61	TUPSS-GPD62	TUPSS-GPD71	TUPSS-GPD72	TUPSS-GPD81	TUPSS-GPD82	TUPSS-GPD91	TUPSS-GPD92	TUPSS-GPD101	TUPSS-GPD102	TUPSS-GPD111	TUPSS-GPD112	TUPSS-GPD121	TUPSS-GPD122	TUPSS-GPD131	TUPSS-GPD132	TUPSS-GPD141	TUPSS-GPD142	TUPSS-GPD151	TUPSS-GPD152	TUPSS-GPD161	TUPSS-GPD162	TUPSS-GPD171	TUPSS-GPD172	TUPSS-GPD181	TUPSS-GPD182	TUPSS-GPD191	TUPSS-GPD192	TUPSS-GPD201	TUPSS-GPD202	TUPSS-GPD211	TUPSS-GPD212	TUPSS-GPD221	TUPSS-GPD222	TUPSS-GPD231	TUPSS-GPD232	TUPSS-GPD241	TUPSS-GPD242	TUPSS-GPD251	TUPSS-GPD252	TUPSS-GPD261	TUPSS-GPD262	TUPSS-GPD271	TUPSS-GPD272	TUPSS-GPD281	TUPSS-GPD282	TUPSS-GPD291	TUPSS-GPD292	TUPSS-GPD301	TUPSS-GPD302	TUPSS-GPD311	TUPSS-GPD312	TUPSS-GPD321	TUPSS-GPD322	TUPSS-GPD331	TUPSS-GPD332	TUPSS-GPD341	TUPSS-GPD342	TUPSS-GPD351	TUPSS-GPD352	TUPSS-GPD361	TUPSS-GPD362	TUPSS-GPD371	TUPSS-GPD372	TUPSS-GPD381	TUPSS-GPD382	TUPSS-GPD391	TUPSS-GPD392	TUPSS-GPD401	TUPSS-GPD402	TUPSS-GPD411	TUPSS-GPD412	TUPSS-GPD421	TUPSS-GPD422	TUPSS-GPD431	TUPSS-GPD432	TUPSS-GPD441	TUPSS-GPD442	TUPSS-GPD451	TUPSS-GPD452	TUPSS-GPD461	TUPSS-GPD462	TUPSS-GPD471	TUPSS-GPD472	TUPSS-GPD481	TUPSS-GPD482	TUPSS-GPD491	TUPSS-GPD492	TUPSS-GPD501	TUPSS-GPD502	TUPSS-GPD511	TUPSS-GPD512	TUPSS-GPD521	TUPSS-GPD522	TUPSS-GPD531	TUPSS-GPD532	TUPSS-GPD541	TUPSS-GPD542	TUPSS-GPD551	TUPSS-GPD552	TUPSS-GPD561	TUPSS-GPD562	TUPSS-GPD571	TUPSS-GPD572	TUPSS-GPD581	TUPSS-GPD582	TUPSS-GPD591	TUPSS-GPD592	TUPSS-GPD601	TUPSS-GPD602	TUPSS-GPD611	TUPSS-GPD612	TUPSS-GPD621	TUPSS-GPD622	TUPSS-GPD631	TUPSS-GPD632	TUPSS-GPD641	TUPSS-GPD642	TUPSS-GPD651	TUPSS-GPD652	TUPSS-GPD661	TUPSS-GPD662	TUPSS-GPD671	TUPSS-GPD672	TUPSS-GPD681	TUPSS-GPD682	TUPSS-GPD691	TUPSS-GPD692	TUPSS-GPD701	TUPSS-GPD702	TUPSS-GPD711	TUPSS-GPD712	TUPSS-GPD721	TUPSS-GPD722	TUPSS-GPD731	TUPSS-GPD732	TUPSS-GPD741	TUPSS-GPD742	TUPSS-GPD751	TUPSS-GPD752	TUPSS-GPD761	TUPSS-GPD762	TUPSS-GPD771	TUPSS-GPD772	TUPSS-GPD781	TUPSS-GPD782	TUPSS-GPD791	TUPSS-GPD792	TUPSS-GPD801	TUPSS-GPD802	TUPSS-GPD811	TUPSS-GPD812	TUPSS-GPD821	TUPSS-GPD822	TUPSS-GPD831	TUPSS-GPD832	TUPSS-GPD841	TUPSS-GPD842	TUPSS-GPD851	TUPSS-GPD852	TUPSS-GPD861	TUPSS-GPD862	TUPSS-GPD871	TUPSS-GPD872	TUPSS-GPD881	TUPSS-GPD882	TUPSS-GPD891	TUPSS-GPD892	TUPSS-GPD901	TUPSS-GPD902	TUPSS-GPD911	TUPSS-GPD912	TUPSS-GPD921	TUPSS-GPD922	TUPSS-GPD931	TUPSS-GPD932	TUPSS-GPD941	TUPSS-GPD942	TUPSS-GPD951	TUPSS-GPD952	TUPSS-GPD961	TUPSS-GPD962	TUPSS-GPD971	TUPSS-GPD972	TUPSS-GPD981	TUPSS-GPD982	TUPSS-GPD991	TUPSS-GPD992	TUPSS-GPD1001	TUPSS-GPD1002	TUPSS-GPD1011	TUPSS-GPD1012	TUPSS-GPD1021	TUPSS-GPD1022	TUPSS-GPD1031	TUPSS-GPD1032	TUPSS-GPD1041	TUPSS-GPD1042	TUPSS-GPD1051	TUPSS-GPD1052	TUPSS-GPD1061	TUPSS-GPD1062	TUPSS-GPD1071	TUPSS-GPD1072	TUPSS-GPD1081	TUPSS-GPD1082	TUPSS-GPD1091	TUPSS-GPD1092	TUPSS-GPD1101	TUPSS-GPD1102	TUPSS-GPD1111	TUPSS-GPD1112	TUPSS-GPD1121	TUPSS-GPD1122	TUPSS-GPD1131	TUPSS-GPD1132	TUPSS-GPD1141	TUPSS-GPD1142	TUPSS-GPD1151	TUPSS-GPD1152	TUPSS-GPD1161	TUPSS-GPD1162	TUPSS-GPD1171	TUPSS-GPD1172	TUPSS-GPD1181	TUPSS-GPD1182	TUPSS-GPD1191	TUPSS-GPD1192	TUPSS-GPD1201	TUPSS-GPD1202	TUPSS-GPD1211	TUPSS-GPD1212	TUPSS-GPD1221	TUPSS-GPD1222	TUPSS-GPD1231	TUPSS-GPD1232	TUPSS-GPD1241	TUPSS-GPD1242	TUPSS-GPD1251	TUPSS-GPD1252	TUPSS-GPD1261	TUPSS-GPD1262	TUPSS-GPD1271	TUPSS-GPD1272	TUPSS-GPD1281	TUPSS-GPD1282	TUPSS-GPD1291	TUPSS-GPD1292	TUPSS-GPD1301	TUPSS-GPD1302	TUPSS-GPD1311	TUPSS-GPD1312	TUPSS-GPD1321	TUPSS-GPD1322	TUPSS-GPD1331	TUPSS-GPD1332	TUPSS-GPD1341	TUPSS-GPD1342	TUPSS-GPD1351	TUPSS-GPD1352	TUPSS-GPD1361	TUPSS-GPD1362	TUPSS-GPD1371	TUPSS-GPD1372	TUPSS-GPD1381	TUPSS-GPD1382	TUPSS-GPD1391	TUPSS-GPD1392	TUPSS-GPD1401	TUPSS-GPD1402	TUPSS-GPD1411	TUPSS-GPD1412	TUPSS-GPD1421	TUPSS-GPD1422	TUPSS-GPD1431	TUPSS-GPD1432	TUPSS-GPD1441	TUPSS-GPD1442	TUPSS-GPD1451	TUPSS-GPD1452	TUPSS-GPD1461	TUPSS-GPD1462	TUPSS-GPD1471	TUPSS-GPD1472	TUPSS-GPD1481	TUPSS-GPD1482	TUPSS-GPD1491	TUPSS-GPD1492	TUPSS-GPD1501	TUPSS-GPD1502	TUPSS-GPD1511	TUPSS-GPD1512	TUPSS-GPD1521	TUPSS-GPD1522	TUPSS-GPD1531	TUPSS-GPD1532	TUPSS-GPD1541	TUPSS-GPD1542	TUPSS-GPD1551	TUPSS-GPD1552	TUPSS-GPD1561	TUPSS-GPD1562	TUPSS-GPD1571	TUPSS-GPD1572	TUPSS-GPD1581	TUPSS-GPD1582	TUPSS-GPD1591	TUPSS-GPD1592	TUPSS-GPD1601	TUPSS-GPD1602	TUPSS-GPD1611	TUPSS-GPD1612	TUPSS-GPD1621	TUPSS-GPD1622	TUPSS-GPD1631	TUPSS-GPD1632	TUPSS-GPD1641	TUPSS-GPD1642	TUPSS-GPD1651	TUPSS-GPD1652	TUPSS-GPD1661	TUPSS-GPD1662	TUPSS-GPD1671	TUPSS-GPD1672	TUPSS-GPD1681	TUPSS-GPD1682	TUPSS-GPD1691	TUPSS-GPD1692	TUPSS-GPD1701	TUPSS-GPD1702	TUPSS-GPD1711	TUPSS-GPD1712	TUPSS-GPD1721	TUPSS-GPD1722	TUPSS-GPD1731	TUPSS-GPD1732	TUPSS-GPD1741	TUPSS-GPD1742	TUPSS-GPD1751	TUPSS-GPD1752	TUPSS-GPD1761	TUPSS-GPD1762	TUPSS-GPD1771	TUPSS-GPD1772	TUPSS-GPD1781	TUPSS-GPD1782	TUPSS-GPD1791	TUPSS-GPD1792	TUPSS-GPD1801	TUPSS-GPD1802	TUPSS-GPD1811	TUPSS-GPD1812	TUPSS-GPD1821	TUPSS-GPD1822	TUPSS-GPD1831	TUPSS-GPD1832	TUPSS-GPD1841	TUPSS-GPD1842	TUPSS-GPD1851	TUPSS-GPD1852	TUPSS-GPD1861	TUPSS-GPD1862	TUPSS-GPD1871	TUPSS-GPD1872	TUPSS-GPD1881	TUPSS-GPD1882	TUPSS-GPD1891	TUPSS-GPD1892	TUPSS-GPD1901	TUPSS-GPD1902	TUPSS-GPD1911	TUPSS-GPD1912	TUPSS-GPD1921	TUPSS-GPD1922	TUPSS-GPD1931	TUPSS-GPD1932	TUPSS-GPD1941	TUPSS-GPD1942	TUPSS-GPD1951	TUPSS-GPD1952	TUPSS-GPD1961	TUPSS-GPD1962	TUPSS-GPD1971	TUPSS-GPD1972	TUPSS-GPD1981	TUPSS-GPD1982	TUPSS-GPD1991	TUPSS-GPD1992	TUPSS-GPD2001	TUPSS-GPD2002	TUPSS-GPD2011	TUPSS-GPD2012	TUPSS-GPD2021	TUPSS-GPD2022	TUPSS-GPD2031	TUPSS-GPD2032	TUPSS-GPD2041	TUPSS-GPD2042	TUPSS-GPD2051	TUPSS-GPD2052	TUPSS-GPD2061	TUPSS-GPD2062	TUPSS-GPD2071	TUPSS-GPD2072	TUPSS-GPD2081	TUPSS-GPD2082	TUPSS-GPD2091	TUPSS-GPD2092	TUPSS-GPD2101	TUPSS-GPD2102	TUPSS-GPD2111	TUPSS-GPD2112	TUPSS-GPD2121	TUPSS-GPD2122	TUPSS-GPD2131	TUPSS-GPD2132	TUPSS-GPD2141	TUPSS-GPD2142	TUPSS-GPD2151	TUPSS-GPD2152	TUPSS-GPD2161	TUPSS-GPD2162	TUPSS-GPD2171	TUPSS-GPD2172	TUPSS-GPD2181	TUPSS-GPD2182	TUPSS-GPD2191	TUPSS-GPD2192	TUPSS-GPD2201	TUPSS-GPD2202	TUPSS-GPD2211	TUPSS-GPD2212	TUPSS-GPD2221	TUPSS-GPD2222	TUPSS-GPD2231	TUPSS-GPD2232	TUPSS-GPD2241	TUPSS-GPD2242	TUPSS-GPD2251	TUPSS-GPD2252	TUPSS-GPD2261	TUPSS-GPD2262	TUPSS-GPD2271	TUPSS-GPD2272	TUPSS-GPD2281	TUPSS-GPD2282	TUPSS-GPD2291	TUPSS-GPD2292	TUPSS-GPD2301	TUPSS-GPD2302	TUPSS-GPD2311	TUPSS-GPD2312	TUPSS-GPD2321	TUPSS-GPD2322	TUPSS-GPD2331	TUPSS-GPD2332	TUPSS-GPD2341	TUPSS-GPD2342	TUPSS-GPD2351	TUPSS-GPD2352	TUPSS-GPD2361	TUPSS-GPD2362	TUPSS-GPD2371	TUPSS-GPD2372	TUPSS-GPD2381	TUPSS-GPD2382	TUPSS-GPD2391	TUPSS-GPD2392	TUPSS-GPD2401	TUPSS-GPD2402	TUPSS-GPD2411	TUPSS-GPD2412	TUPSS-GPD2421	TUPSS-GPD2422	TUPSS-GPD2431	TUPSS-GPD2432	TUPSS-GPD2441	TUPSS-GPD2442	TUPSS-GPD2451	TUPSS-GPD2452	TUPSS-GPD2461	TUPSS-GPD2462	TUPSS-GPD2471	TUPSS-GPD2472	TUPSS-GPD2481	TUPSS-GPD2482	TUPSS-GPD2491	TUPSS-GPD2492	TUPSS-GPD2501	TUPSS-GPD2502	TUPSS-GPD2511	TUPSS-GPD2512	TUPSS-GPD2521	TUPSS-GPD2522	TUPSS-GPD2531	TUPSS-GPD2532	TUPSS-GPD2541	TUPSS-GPD2542	TUPSS-GPD2551	TUPSS-GPD2552	TUPSS-GPD2561	TUPSS-GPD2562	TUPSS-GPD2571	TUPSS-GPD2572	TUPSS-GPD2581	TUPSS-GPD2582	TUPSS-GPD2591	TUPSS-GPD2592	TUPSS-GPD2601	TUPSS-GPD2602	TUPSS-GPD2611	TUPSS-GPD2612	TUPSS-GPD2621	TUPSS-GPD2622	TUPSS-GPD2631	TUPSS-GPD2632	TUPSS-GPD2641	TUPSS-GPD2642	TUPSS-GPD2651	TUPSS-GPD2652	TUPSS-GPD2661	TUPSS-GPD2662	TUPSS-GPD2671	TUPSS-GPD2672	TUPSS-GPD2681	TUPSS-GPD2682	TUPSS-GPD2691	TUPSS-GPD2692	TUPSS-GPD2701	TUPSS-GPD2702	TUPSS-GPD2711	TUPSS-GPD2712	TUPSS-GPD2721	TUPSS-GPD2722	TUPSS-GPD2731	TUPSS-GPD2732	TUPSS-GPD2741	TUPSS-GPD2742	TUPSS-GPD2751	TUPSS-GPD2752	TUPSS-GPD2761	TUPSS-GPD2762	TUPSS-GPD2771	TUPSS-GPD2772	TUPSS-GPD2781	TUPSS-GPD2782	TUPSS-GPD2791	TUPSS-GPD2792	TUPSS-GPD2801	TUPSS-GPD2802	TUPSS-GPD2811	TUPSS-GPD2812	TUPSS-GPD2821	TUPSS-GPD2822	TUPSS-GPD2831	TUPSS-GPD2832	TUPSS-GPD2841	TUPSS-GPD2842	TUPSS-GPD2851	TUPSS-GPD2852	TUPSS-GPD2861	TUPSS-GPD2862	TUPSS-GPD2871	TUPSS-GPD2872	TUPSS-GPD2881	TUPSS-GPD2882	TUPSS-GPD2891	TUPSS-GPD2892	TUPSS-GPD2901	TUPSS-GPD2902	TUPSS-GPD2911	TUPSS-GPD2912	TUPSS-GPD2921	TUPSS-GPD2922	TUPSS-GPD2931	TUPSS-GPD2932	TUPSS-GPD2941	TUPSS-GPD2942	TUPSS-GPD2951	TUPSS-GPD2952	TUPSS-GPD2961	TUPSS-GPD2962	TUPSS-GPD2971	TUPSS-GPD2972	TUPSS-GPD2981	TUPSS-GPD2982	TUPSS-GPD2991	TUPSS-GPD2992	TUPSS-GPD3001	TUPSS-GPD3002	TUPSS-GPD3011	TUPSS-GPD3012	TUPSS-GPD3021	TUPSS-GPD3022	TUPSS-GPD3031	TUPSS-GPD3032	TUPSS-GPD3041	TUPSS-GPD3042	TUPSS-GPD3051	TUPSS-GPD3052	TUPSS-GPD3061	TUPSS-GPD3062	TUPSS-GPD3071	TUPSS-GPD3072	TUPSS-GPD3081	TUPSS-GPD3082	TUPSS-GPD3091	TUPSS-GPD3092	TUPSS-GPD3101	TUPSS-GPD3102	TUPSS-GPD3111	TUPSS-GPD3112	TUPSS-GPD3121	TUPSS-GPD3122	TUPSS-GPD3131	TUPSS-GPD3132	TUPSS-GPD3141	TUPSS-GPD3142	TUPSS-GPD3151	TUPSS-GPD3152	TUPSS-GPD3161	TUPSS-GPD3162	TUPSS-GPD3171	TUPSS-GPD3172	TUPSS-GPD3181	TUPSS-GPD3182	TUPSS-GPD3191	TUPSS-GPD3192	TUPSS-GPD3201	TUPSS-GPD3202	TUPSS-GPD3211	TUPSS-GPD3212	TUPSS-GPD3221	TUPSS-GPD3222	TUPSS-GPD3231	TUPSS-GPD3232	TUPSS-GPD3241	TUPSS-GPD3242	TUPSS-GPD3251	TUPSS-GPD3252	TUPSS-GPD3261	TUPSS-GPD3262	TUPSS-GPD3271	TUPSS-GPD3272	TUPSS-GPD3281	TUPSS-GPD3282	TUPSS-GPD3291	TUPSS-GPD3292	TUPSS-GPD3301	TUPSS-GPD3302	TUPSS-GPD3311	TUPSS-GPD3312	TUPSS-GPD3321	TUPSS-GPD3322	TUPSS-GPD3331	TUPSS-GPD3332	TUPSS-GPD3341	TUPSS-GPD3342	TUPSS-GPD3351	TUPSS-GPD3352	TUPSS-GPD3361	TUPSS-GPD3362	TUPSS-GPD3371	TUPSS-GPD3372	TUPSS-GPD3381	TUPSS-GPD3382	TUPSS-GPD3391	TUPSS-GPD3392	TUPSS-GPD3401	TUPSS-GPD3402	TUPSS-GPD3411	TUPSS-GPD3412	TUPSS-GPD3421	TUPSS-GPD3422	TUPSS-GPD3431	TUPSS-GPD3432	TUPSS-GPD3441	TUPSS-GPD3442	TUPSS-GPD3451	TUPSS-GPD3452	TUPSS-GPD3461	TUPSS-GPD3462	TUPSS-GPD3471	TUPSS-GPD3472	TUPSS-GPD3481	TUPSS-GPD3482	TUPSS-GPD3491	TUPSS-GPD3492	TUPSS-GPD3501	TUPSS-GPD3502	TUPSS-GPD3511	TUPSS-GPD3512	TUPSS-GPD3521	TUPSS-GPD3522	TUPSS-GPD3531	TUPSS-GPD3532	TUPSS-GPD3541	TUPSS-GPD3542	TUPSS-GPD3551	TUPSS-GPD3552	TUPSS-GPD3561	TUPSS-GPD3562	TUPSS-GPD3571	TUPSS-GPD3572	TUPSS-GPD3581	TUPSS-GPD3582	TUPSS-GPD3591	TUPSS-GPD3592	TUPSS-GPD3601	TUPSS-GPD3602	TUPSS-GPD3611	TUPSS-GPD3612	TUPSS-GPD3621	TUPSS-GPD3622	TUPSS-GPD3631	TUPSS-GPD3632	TUPSS-GPD3641	TUPSS-GPD3642	TUPSS-GPD3651	TUPSS-GPD3652	TUPSS-GPD3661	TUPSS-GPD3662	TUPSS-GPD3671	TUPSS-GPD3672	TUPSS-GPD3681	TUPSS-GPD3682	TUPSS-GPD3691	TUPSS-GPD3692	TUPSS-GPD3701	TUPSS-GPD3702	TUPSS-GPD3711	TUPSS-GPD3712	TUPSS-GPD3721	TUPSS-GPD3722	TUPSS-GPD3731	TUPSS-GPD3732	TUPSS-GPD3741	TUPSS-GPD3742	TUPSS-GPD3751	TUPSS-GPD3752	TUPSS-GPD3761	TUPSS-GPD3762	TUPSS-GPD3771	TUPSS-GPD3772	TUPSS-GPD3781	TUPSS-GPD3782	TUPSS-GPD3791	TUPSS-GPD3792	TUPSS-GPD3801	TUPSS-GPD3802	TUPSS-GPD3811	TUPSS-GPD3812	TUPSS-GPD3821	TUPSS-GPD3822	TUPSS-GPD3831	TUPSS-GPD3832	TUPSS-GPD3841	TUPSS-GPD3842	TUPSS-GPD3851	TUPSS-GPD3852	TUPSS-GPD3861	TUPSS-GPD3862	TUPSS-GPD3871	TUPSS-GPD3872	TUPSS-GPD3881	TUPSS-GPD3882	TUPSS-GPD3891	TUPSS-GPD3892	TUPSS-GPD3901	TUPSS-GPD3902	TUPSS-GPD3911	TUPSS-GPD3912	TUPSS-GPD3921	TUPSS-GPD3922	TUPSS-GPD3931	TUPSS-GPD3932	TUPSS-GPD3941	TUPSS-GPD3942	TUPSS-GPD3951	TUPSS-GPD3952	TUPSS-GPD3961	TUPSS-GPD3962	TUPSS-GPD3971	TUPSS-GPD3972	TUPSS-GPD3981	TUPSS-GPD3982	TUPSS-GPD3991	TUPSS-GPD3992	TUPSS-GPD4001	TUPSS-GPD4002	TUPSS-GPD4011	TUPSS-GPD4012	TUPSS-GPD4021	TUPSS-GPD4022	TUPSS-GPD4031	TUPSS-GPD4032	TUPSS-GPD4041	TUPSS-GPD4042	TUPSS-GPD4051	TUPSS-GPD4052	TUPSS-GPD4061	TUPSS-GPD4062	TUPSS-GPD4071	TUPSS-GPD4072	TUPSS-GPD4081	TUPSS-GPD4082	TUPSS-GPD4091	TUPSS-GPD4092	TUPSS-GPD4101	TUPSS-GPD4102	TUPSS-GPD4111	TUPSS-GPD4112	TUPSS-GPD4121	TUPSS-GPD4122	TUPSS-GPD4131	TUPSS-GPD4132	TUPSS-GPD4141	TUPSS-GPD4142	TUPSS-GPD4151	TUPSS-GPD4152	TUPSS-GPD4161	TUPSS-GPD4162	TUPSS-GPD4171	TUPSS-GPD4172	TUPSS-GPD4181	TUPSS-GPD4182	TUPSS-GPD4191	TUPSS-GPD4192	TUPSS-GPD4201	TUPSS-GPD4202	TUPSS-GPD4211	TUPSS-GPD4212	TUPSS-GPD4221	TUPSS-GPD4222	TUPSS-GPD4231	TUPSS-GPD4232	TUPSS-GPD4241	TUPSS-GPD4242	TUPSS-GPD4251	TUPSS-GPD4252	TUPSS-GPD4261	TUPSS-GPD4262	TUPSS-GPD4271	TUPSS-GPD4272	TUPSS-GPD4281	TUPSS-GPD4282	TUPSS-GPD4291	TUPSS-GPD4292	TUPSS-GPD4301	TUPSS-GPD4302	TUPSS-GPD4311	TUPSS-GPD4312	TUPSS-GPD4321	TUPSS-GPD4322	TUPSS-GPD4331	TUPSS-GPD4332	TUPSS-GPD4341	TUPSS-GPD4342	TUPSS-GPD4351	TUPSS-GPD4352	TUPSS-GPD4361	TUPSS-GPD4362	TUPSS-GPD4371	TUPSS-GPD4372	TUPSS-GPD4381	TUPSS-GPD4382	TUPSS-GPD4391	TUPSS-GPD4392	TUPSS-GPD4401	TUPSS-GPD4402	TUPSS-GPD4411	TUPSS-GPD4412	TUPSS-GPD4421	TUPSS-GPD4422	TUPSS-GPD4431	TUPSS-GPD4432	TUPSS-GPD4441	TUPSS-GPD4442	TUPSS-GPD4451	TUPSS-GPD4452	TUPSS-GPD4461	TUPSS-GPD4462	TUPSS-GPD4471	TUPSS-GPD4472	TUPSS-GPD4481	TUPSS-GPD4482	TUPSS-GPD4491	TUPSS-GPD4492	TUPSS-GPD4501	TUPSS-GPD4502	TUPSS-GPD4511	TUPSS-GPD4512	TUPSS-GPD4521	TUPSS-GPD4522	TUPSS-GPD4531	TUPSS-GPD4532	TUPSS-GPD4541	TUPSS-GPD4542	TUPSS-GPD4551	TUPSS-GPD4552	TUPSS-GPD4561	TUPSS-GPD4562	TUPSS-GPD4571	TUPSS-GPD4572	TUPSS-GPD4581	TUPSS-GPD4582	TUPSS-GPD4591	TUPSS-GPD4592	TUPSS-GPD4601	TUPSS-GPD4602	TUPSS-GPD4611	TUPSS-GPD4612	TUPSS-GPD4621	TUPSS-GPD4622	TUPSS-GPD4631	TUPSS-GPD4632	TUPSS-GPD4641	TUPSS-GPD4642	TUPSS-GPD4651	TUPSS-GPD4652	TUPSS-GPD4661	TUPSS-GPD4662	TUPSS-GPD4671	TUPSS-GPD4672	TUPSS-GPD4681	TUPSS-GPD4682	TUPSS-GPD4691	TUPSS-GPD4692	TUPSS-GPD4701	TUPSS-GPD4702	TUPSS-GPD4711	TUPSS-GPD4712	TUPSS-GPD4721	TUPSS-GPD4722	TUPSS-GPD4731	TUPSS-GPD4732	TUPSS-GPD4741	TUPSS-GPD4742	TUPSS-GPD4751	TUPSS-GPD4752	TUPSS-GPD4761	TUPSS-GPD4762	TUPSS-GPD4771	TUPSS-GPD4772	TUPSS-GPD4781	TUPSS-GPD4782	TUPSS-GPD4791	TUPSS-GPD4792	TUPSS-GPD4801	TUPSS-GPD4802	TUPSS-GPD4811	TUPSS-GPD4812	TUPSS-GPD4821
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