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Maxiflex®

Continuous current load, depending on the conductor temperature

Amp Rating	Width Cu Lamellar mm	Thickness Cu Lamellar mm	Number laminated copper	Cu cross-section mm	Continuous current load* 105°C*	95°C*	85°C*	75°C*	65°C*	Reduction Factor at 2 rails	Reduction factor at 3 rails
125	9	x 0,8	x 2	14,4	190	178	163	145	125	1,72	2,25
	9	x 0,8	x 3	21,6	242	281	224	183	158	1,72	2,25
	9	x 0,8	x 4	28,8	283	262	239	214	185	1,72	2,25
	13	x 0,8	x 2	20,8	253	234	214	191	165	1,72	2,25
	15,5	x 0,8	x 2	24,8	289	268	244	218	187	1,72	2,25
250	9	x 0,8	x 5	36	320	297	271	243	209	1,72	2,25
	9	x 0,8	x 6	43,2	355	329	302	269	233	1,72	2,25
	13	x 0,8	x 3	31,2	312	289	264	235	203	1,72	2,25
	13	x 0,8	x 4	41,6	368	341	312	278	240	1,72	2,25
	15,5	x 0,8	x 3	37,2	356	330	302	269	232	1,72	2,25
	13	x 0,8	x 5	52	416	384	352	314	270	1,72	2,25
	13	x 0,8	x 6	62,4	459	426	389	348	299	1,72	2,25
	15,5	x 0,8	x 4	49,6	419	388	356	317	273	1,72	2,25
	20	x 1	x 2	40	395	366	334	298	258	1,72	2,25
	24	x 1	x 2	48	457	423	387	346	298	1,72	2,25
400	15,5	x 0,8	x 5	62	473	438	401	358	308	1,72	2,25
	15,5	x 0,8	x 6	74,4	523	485	443	396	340	1,72	2,25
	20	x 1	x 3	60	491	455	414	371	319	1,72	2,25
	20	x 1	x 4	80	575	534	486	434	374	1,72	2,25
	24	x 1	x 3	72	567	526	480	428	369	1,72	2,25
	32	x 1	x 2	64	580	537	490	427	377	1,72	2,25
	500	15,5	x 0,8	x 8	99,2	620	575	525	468	403	1,72
15,5		x 0,8	x 10	124	712	659	601	537	463	1,72	2,25
20		x 1	x 5	100	651	604	551	492	423	1,72	2,25
20		x 1	x 6	120	722	669	610	545	470	1,72	2,25
24		x 1	x 4	96	663	614	561	501	431	1,72	2,25
24		x 1	x 5	120	745	690	628	561	470	1,72	2,25
32		x 1	x 3	96	718	665	606	541	467	1,72	2,25
40		x 1	x 2	80	700	649	591	529	455	1,72	2,25
630		20	x 0,8	x 8	160	802	742	685	611	527	1,72
	20	x 1	x 10	200	927	895	783	699	603	1,72	2,25
	24	x 1	x 6	144	832	770	703	628	541	1,72	2,25
	32	x 1	x 4	128	837	775	706	631	544	1,72	2,25
	32	x 1	x 5	160	943	874	798	711	612	1,72	2,25
	40	x 1	x 3	120	866	802	732	653	562	1,72	2,25
	50	x 1	x 2	100	851	787	718	640	551	1,72	2,25
800	24	x 1	x 8	192	982	910	829	741	637	1,72	2,25
	24	x 1	x 10	240	1119	1036	945	843	728	1,72	2,25
	32	x 1	x 6	192	1045	967	882	787	678	1,72	2,25
	40	x 1	x 4	160	1007	933	851	759	654	1,72	2,25
	40	x 1	x 5	200	1134	1050	957	854	736	1,72	2,25
	50	x 1	x 3	150	1047	970	884	789	679	1,72	2,25
	63	x 1	x 2	126	1042	965	879	784	675	1,72	2,25

*Continuous current load at conductor temperature of 35° Celsius in temperature as indicated.





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Amp Rating	Breite Cu-Lamellen mm	Thickness Cu Lamellar mm	Number laminated copper	Cu cross-section mm ²	Continuous current load* 105°C	95°C	85°C	75°C	65°C	Reduction Factor at 2 rails	Reduction factor at 3 rails		
1000	32	x	1	x	8	256	1227	1136	1036	925	797	1,72	2,25
	32	x	1	x	10	320	1392	1289	1175	1047	902	1,72	2,25
	40	x	1	x	6	240	1253	1160	1057	943	812	1,72	2,25
	40	x	1	x	8	320	1441	1357	1237	1103	950	1,72	2,25
	50	x	1	x	4	200	1218	1128	1027	917	789	1,72	2,25
	50	x	1	x	5	250	1368	1267	1155	1029	887	1,72	2,25
	63	x	1	x	3	189	1282	1186	1081	965	830	1,65	2,12
	80	x	1	x	2	160	1289	1193	1087	970	834	1,65	2,12
1250	40	x	1	x	10	400	1656	1534	1397	1245	1072	1,65	2,12
	50	x	1	x	6	300	1506	1395	1270	1133	976	1,65	2,12
	50	x	1	x	8	400	1756	1624	1480	1319	1135	1,65	2,12
	63	x	1	x	4	252	1486	1375	1253	1118	962	1,65	2,12
	63	x	1	x	5	315	1668	1542	1406	1253	1079	1,65	2,12
	63	x	1	x	6	378	1832	1694	1544	1376	1184	1,65	2,12
	80	x	1	x	3	240	1583	1465	1334	1190	1025	1,65	2,12
	80	x	1	x	4	320	1832	1694	1544	1376	1185	1,65	2,12
100	x	1	x	2	200	1576	1458	1329	1185	1020	1,60	2,02	
1600	50	x	1	x	10	500	1979	1829	1666	1485	1277	1,72	2,12
	63	x	1	x	8	504	2124	1963	1788	1594	1371	1,65	2,12
	63	x	1	x	10	630	2380	2199	2002	1782	1532	1,65	2,12
	80	x	1	x	5	400	2049	1895	1727	1539	1324	1,65	2,12
	80	x	1	x	6	480	2244	2075	1890	1683	1448	1,65	2,12
	80	x	1	x	8	640	2586	2390	2175	1936	1664	1,65	2,12
	80	x	1	x	10	800	2880	2695	2417	2150	1847	1,65	2,12
	100	x	1	x	3	300	1932	1787	1629	1451	1249	1,60	2,02
	100	x	1	x	4	400	2229	2061	1877	1673	1440	1,60	2,02
	100	x	1	x	5	500	2486	2298	2093	1863	1603	1,60	2,02
	100	x	1	x	6	600	2717	2510	2284	2034	1748	1,60	2,02
	100	x	1	x	8	800	3109	2870	2609	2321	1994	1,60	2,02
100	x	1	x	10	1000	3434	3167	2876	2555	2193	1,60	2,02	
100	x	1	x	12	1200	3711	3420	3104	2756	2362	1,60	2,02	

*Continuous current load at conductor temperature of 35 ° Celsius in temperature as indicated.
 The reduction in 2 or 3 parallel applied rails is calculated as follows : 24 x 1 x 6 at 85 ° C > 703 amperes (A)
 Application of 2 parallel rails : 703 x 1.72 = 1209 A Ampere
 Application of 3 parallel tracks : 703 A x 2.25 = 1581 amperes

