

# KUPFERRHEYDT

## Maxiflex

Ampacity at rise of temperature – from 35° C to

Amperage	Cu strip width mm	Cu strip thickness mm	No. of Cu strips	Cu cross section mm <sup>2</sup>	Ampacity 105°C*	95°C	85°C	75°C	65°C	Reduction factor with 2 bars	with 3 bars Reduction factor
<b>125</b>	9	x 0,8	x 2	14.4	167	156	<b>142</b>	127	110	1.72	2.25
	9	x 0,8	x 3	21.6	209	195	<b>178</b>	159	137	1.72	2.25
	9	x 0,8	x 4	28.8	246	230	<b>210</b>	187	161	1.72	2.25
	13	x 0,8	x 2	20.8	221	206	<b>188</b>	168	145	1.72	2.25
	15.5	x 0,8	x 2	24.8	254	236	<b>216</b>	193	166	1.72	2.25
<b>250</b>	9	x 0,8	x 5	36	281	262	<b>240</b>	214	184	1.72	2.25
	9	x 0,8	x 6	43.2	313	292	<b>267</b>	238	206	1.72	2.25
	13	x 0,8	x 3	31.2	275	256	<b>234</b>	210	180	1.72	2.25
	13	x 0,8	x 4	41.6	323	301	<b>275</b>	246	212	1.72	2.25
	15.5	x 0,8	x 3	37.2	315	294	<b>269</b>	240	207	1.72	2.25
	13	x 0,8	x 5	52	367	342	<b>312</b>	280	241	1.72	2.25
	13	x 0,8	x 6	62.4	408	380	<b>348</b>	311	268	1.72	2.25
	15.5	x 0,8	x 4	49.6	370	345	<b>315</b>	281	243	1.72	2.25
	20	x 1	x 2	40	351	328	<b>300</b>	267	231	1.72	2.25
	24	x 1	x 2	48	410	381	<b>349</b>	311	270	1.72	2.25
<b>400</b>	15.5	x 0,8	x 5	62	420	392	<b>358</b>	319	276	1.72	2.25
	15.5	x 0,8	x 6	74.4	466	435	<b>397</b>	355	306	1.72	2.25
	20	x 1	x 3	60	438	408	<b>373</b>	333	287	1.72	2.25
	20	x 1	x 4	80	513	479	<b>437</b>	390	337	1.72	2.25
	24	x 1	x 3	72	508	474	<b>433</b>	387	334	1.72	2.25
	32	x 1	x 2	64	524	488	<b>446</b>	398	344	1.72	2.25
<b>500</b>	15.5	x 0,8	x 8	99.2	553	516	<b>471</b>	421	363	1.72	2.25
	15.5	x 0,8	x 10	124	634	592	<b>540</b>	483	416	1.72	2.25
	20	x 1	x 5	100	583	543	<b>496</b>	443	382	1.72	2.25
	20	x 1	x 6	120	647	604	<b>551</b>	493	425	1.72	2.25
	24	x 1	x 4	96	595	555	<b>507</b>	453	391	1.72	2.25
	24	x 1	x 5	120	675	629	<b>574</b>	513	443	1.72	2.25
	32	x 1	x 3	96	649	605	<b>553</b>	494	426	1.72	2.25
	40	x 1	x 2	80	638	595	<b>543</b>	485	418	1.72	2.25
<b>630</b>	20	x 1	x 10	200	883	823	<b>751</b>	671	579	1.72	2.25
	24	x 1	x 6	144	749	698	<b>637</b>	569	491	1.72	2.25
	32	x 1	x 4	128	758	707	<b>645</b>	576	497	1.72	2.25
	32	x 1	x 5	160	857	799	<b>729</b>	652	562	1.72	2.25
	40	x 1	x 3	120	789	735	<b>671</b>	600	517	1.72	2.25
	50	x 1	x 2	100	780	727	<b>664</b>	593	511	1.72	2.25
<b>800</b>	24	x 1	x 8	192	886	826	<b>755</b>	674	582	1.72	2.25
	24	x 1	x 10	240	1015	946	<b>864</b>	772	666	1.72	2.25
	32	x 1	x 6	192	949	885	<b>808</b>	722	622	1.72	2.25
	40	x 1	x 4	160	919	857	<b>783</b>	699	603	1.72	2.25
	40	x 1	x 5	200	1038	967	<b>883</b>	789	681	1.72	2.25
	50	x 1	x 3	150	963	897	<b>820</b>	732	631	1.72	2.25
	63	x 1	x 2	126	964	898	<b>820</b>	733	632	1.72	2.25

\*Ampacity at rise of temperature from 35°C upto temperature as shown above.



# KUPFERRHEYDT

## Maxiflex

Ampacity at rise of temperature – from 35° C to

Ampereage	Cu strip width mm		Cu strip thickness mm		No. of Cu strips	Cu cross section mm <sup>2</sup>	Ampacity 105°C*	95°C	85°C	75°C	65°C	Reduction factor with 2 bars	with 3 bars Reduction factor
<b>1000</b>	32	x	0,8	x	8	256	1119	1043	<b>952</b>	851	734	1.72	2.25
	32	x	0,8	x	10	320	1276	1190	<b>1086</b>	971	837	1.72	2.25
	40	x	0,8	x	6	240	1147	1070	<b>977</b>	873	753	1.72	2.25
	40	x	0,8	x	8	320	1038	967	<b>883</b>	789	681	1.72	2.25
	50	x	0,8	x	4	200	1120	1045	<b>954</b>	852	735	1.72	2.25
	50	x	0,8	x	5	250	1263	1177	<b>1075</b>	960	828	1.72	2.25
	63	x	0,8	x	3	189	1188	1108	<b>1011</b>	904	779	1.65	2.12
	80	x	0,8	x	2	160	1204	1122	<b>1025</b>	916	790	1.65	2.12
<b>1250</b>	40	x	1	x	10	400	1534	1430	<b>1306</b>	1167	1006	1.65	2.12
	50	x	1	x	6	300	1394	1300	<b>1187</b>	1060	914	1.65	2.12
	50	x	1	x	8	400	1634	1524	<b>1391</b>	1243	1072	1.65	2.12
	63	x	1	x	4	252	1381	1288	<b>1176</b>	1050	906	1.65	2.12
	63	x	1	x	5	315	1554	1449	<b>1323</b>	1182	1019	1.65	2.12
	63	x	1	x	6	378	1714	1598	<b>1459</b>	1303	1124	1.65	2.12
	80	x	1	x	3	240	1482	1382	<b>1262</b>	1127	972	1.65	2.12
	80	x	1	x	4	320	1721	1604	<b>1465</b>	1309	1129	1.65	2.12
	100	x	1	x	2	200	1486	1385	<b>1265</b>	1130	975	1.6	2.02
	<b>1600</b>	50	x	1	x	10	500	1854	1729	<b>1579</b>	1410	1216	1.72
63		x	1	x	8	504	2004	1868	<b>1706</b>	1524	1315	1.65	2.12
63		x	1	x	10	630	2268	2115	<b>1931</b>	1725	1488	1.65	2.12
80		x	1	x	5	400	1934	1803	<b>1647</b>	1471	1269	1.65	2.12
80		x	1	x	6	480	2130	1986	<b>1814</b>	1620	1397	1.65	2.12
80		x	1	x	8	640	2486	2317	<b>2116</b>	1891	1630	1.65	2.12
80		x	1	x	10	800	2808	2618	<b>2390</b>	2135	1842	1.65	2.12
100		x	1	x	3	300	1828	1704	<b>1556</b>	1390	1199	1.60	2.02
100		x	1	x	4	400	2120	1977	<b>1805</b>	1613	1391	1.60	2.02
100		x	1	x	5	500	2381	2220	<b>2027</b>	1811	1562	1.60	2.02
100		x	1	x	6	600	2620	2442	<b>2230</b>	1992	1718	1.60	2.02
100		x	1	x	8	800	3051	2845	<b>2597</b>	2321	2001	1.60	2.02
100		x	1	x	10	1000	3440	3207	<b>2929</b>	2617	2257	1.60	2.02

Table values for current ampacities and conductor heating are theoretically determined guide values. The actual values can vary depending on environmental factors and the installation situation and must therefore be determined by the user for each application.

MAXIFLEX busbars may only be installed and used as specified in the operating instructions.

\*Ampacity at rise of temperature from 35°C upto temperature as shown above. Ampacity reduction of 2 or 3 parallel assembled bars is calculated as follows:

2 bars parallel: 703 A x 1,72 = **1209** Ampere

3 bars parallel: 703 A x 2,25 = **1581** Ampere

