



Technical Data ISOFLEXX

Current range	Dimensions ¹ available Number x width x thickness	Available						Cross-section [mm ²]	Cu - weight per 1 meter [kg]	Cu - weight per 2 meters (standard length) [kg]	Ampacity						Thermal shortcircuit strength at 1 second		
		Classic		Supreme		Premium					Values acc. to DIN 43671 for bars in switchgear systems at 50Hz			Power loss for given currents at an ambient temperature of 35°C			Classic [kA]	Supreme [kA]	Premium [kA]
		bare Cu	tinned Cu	bare Cu	tinned Cu	bare Cu	tinned Cu				to 65°C ΔT = 30 K [A]	to 85°C ΔT = 50 K [A]	to 105°C ΔT = 70 K [A]	to 65°C ΔT = 30 K [W/m]	to 85°C ΔT = 50 K [W/m]	to 105°C ΔT = 70 K [W/m]			
125 A	3x9x0,8	x	x	x	x		21,6	0,19	0,38	98	130	152	10	18	26	3	5		
	6x9x0,8	x	x	x	x		43,2	0,38	0,77	147	196	228	11	21	29	7	11		
	9x9x0,8	x	x	x	x		64,8	0,58	1,15	179	238	277	11	20	28	10	16		
	3x13x0,5	x	x	x	x		19,5	0,17	0,35	108	144	167	13	24	34	3	5		
	6x13x0,5	x	x	x	x		39,0	0,35	0,69	162	215	251	15	27	39	6	10		
	2x16x0,8	x	x	x	x		24,8	0,22	0,44	110	148	195	11	20	37	4			
250 A	4x16x0,8	x	x	x	x		49,6	0,44	0,88	201	267	312	17	33	47	8	12		
	6x16x0,8	x	x	x	x		74,4	0,66	1,32	252	335	391	18	34	49	11	19		
	2x20x1	x	x	x	x		40,0	0,36	0,71	188	250	291	19	36	50	6	10		
	3x20x1	x	x	x	x		60,0	0,53	1,07	237	315	367	20	38	53	9	15		
	4x20x1	x	x				80,0	0,71	1,42	278	370	431	21	39	55	12			
	2x24x1	x	x				48,0	0,43	0,85	201	267	312	18	34	48	7			
	3x24x1	x	x				72,0	0,64	1,28	276	367	428	23	43	60	11			
2x32x1	x	x				64,0	0,57	1,14	289	384	448	28	52	74	10				
400 A	10x16x0,8	x	x	x	x		124	1,10	2,21	330	439	512	19	36	50	19	32		
	5x20x1	x	x	x	x	x	100	0,89	1,78	319	424	494	22	41	58	15	26	26	
	6x20x1	x	x				120	1,07	2,14	355	472	550	22	42	60	18	31		
	4x24x1	x	x				96,0	0,85	1,71	322	428	499	23	44	62	15	25		
	5x24x1	x	x	x	x	x	120	1,07	2,14	369	491	572	24	46	65	18		31	
	3x32x1	x	x	x	x		96	0,85	1,71	359	477	556	28	54	76	15			
500 A	6x24x1	x	x				144	1,28	2,56	407	541	631	24	46	66	22			
	4x32x1	x	x				128	1,14	2,28	418	556	648	29	55	78	20			
630 A	10x20x1	x	x			x	200	1,78	3,56	497	661	770	26	50	70	31		52	
	11x21x1	x	x		x		231	2,06	4,11	563	749	873	29	55	78	36	60		
	8x24x1	x	x				192	1,71	3,42	483	642	749	26	49	69	30			
	10x24x1	x	x	x	x	x	240	2,14	4,27	559	743	866	28	52	74	37	62	62	
	5x32x1	x	x	x	x	x	160	1,42	2,85	477	634	739	30	57	81	25	41	41	
	6x32x1	x	x	x	x		192	1,71	3,42	526	700	815	31	58	82	30	50		
800 A	5x40x1	x	x	x	x	x	200	1,78	3,56	573	762	888	35	66	93	31	52	52	
	8x32x1	x	x	x	x		256	2,28	4,56	623	829	966	33	62	88	39	66		
	10x32x1	x	x	x	x	x	320	2,85	5,70	721	959	1118	35	67	95	49	83	83	
	8x40x1	x	x	x	x	x	320	2,85	5,70	739	983	1145	37	70	99	49	83	83	
	5x50x1	x				x	250	2,23	4,45	697	927	1080	42	79	112	39	65	65	



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1000 A	10x35x1		x		x			350	3,12	6,23	757	1007	1340	36	68	124	54	91	
	10x40x1	x	x			x	x	400	3,56	7,12	850	1131	1318	40	75	106	62	100	100
	8x50x1	x				x	x	400	3,56	7,12	891	1185	1381	43	82	116	62	130	100
	5x63x1	x				x		315	2,80	5,61	826	1099	1280	47	89	126	49		82
1250 A	10x50x1	x		x	x	x	x	500	4,45	8,90	1020	1357	1581	46	87	124	77		130
	6x63x1	x						378	3,36	6,73	942	1253	1460	51	97	137	58		
	8x63x1	x				x		504	4,49	8,97	1038	1361	1609	47	87	127	78		130
	10x63x1	x				x		630	5,61	11,21	1180	1569	2089	50	94	174	97		160
	4x80x1	x						320	2,85	5,70	954	1269	1689	61	116	215	49		
	5x80x1	x				x	x	400	3,56	7,12	1070	1423	1894	62	118	218	62		100
1600 A	8x80x1	x				x	x	640	5,70	11,39	1328	1766	2351	62	117	216	99		166
	10x80x1	x				x	x	800	7,12	14,24	1500	1995	2655	65	123	226	123		208
	5x100x1	x				x	x	500	4,45	8,90	1300	1729	2301	74	141	259	77		130
2000 A	8x100x1	x				x	x	800	7,12	14,24	1606	2136	2843	74	140	257	123		208
	10x100x1	x				x	x	1000	8,90	17,80	1810	2407	3204	77	146	269	154		260
	8x120x1					x	x	960	8,54	17,09	1794	2386	3175	78	148	272			250
2500A	12x100x1	x	x			x	x	1200	10,68	21,36	1974	2625	3494	80	150	276	185		310
	10x120x1					x	x	1200	10,68	21,36	2110	2806	3735	90	170	312			310

¹ Standard length 2000 mm, available in lengths from 250 to 3000 mm on request

² The total current of several Isoflexx in parallel for one phase is calculated with a multiplication factor of 1.72 if 2 bars are used and a multiplication factor of 2.25 if 3 bars are used.

³ Power loss and heating of busbar depends on: current strength, ambient temperature, heat dissipation, grouping, laying method, application