

Earth bonds & clamps

Earth bars

- 01 Copper earth bars.
- 02 Tinned copper earth bar.
- 03 Copper earth bar with SS fixings.

Furse earth bars are an efficient and convenient way of providing a common earth point, and integral disconnecting links allow easy isolation for testing purposes.

Standard Furse earth bars are available in a variety of lengths, but all consist of a 50 mm wide by 6 mm thick copper bar with M10 termination screws - standard product codes are provided.

Standard features and benefits

- The plastic channel base is entirely corrosion proof, made from high impact uPVC unlike the traditional galvanized steel channel
- The use of a modern polymer channel has reduced the weight of the products, making them easier to handle
- Pre-drilled fixing holes for ease of installation
- A range of three designs to meet most installation requirements

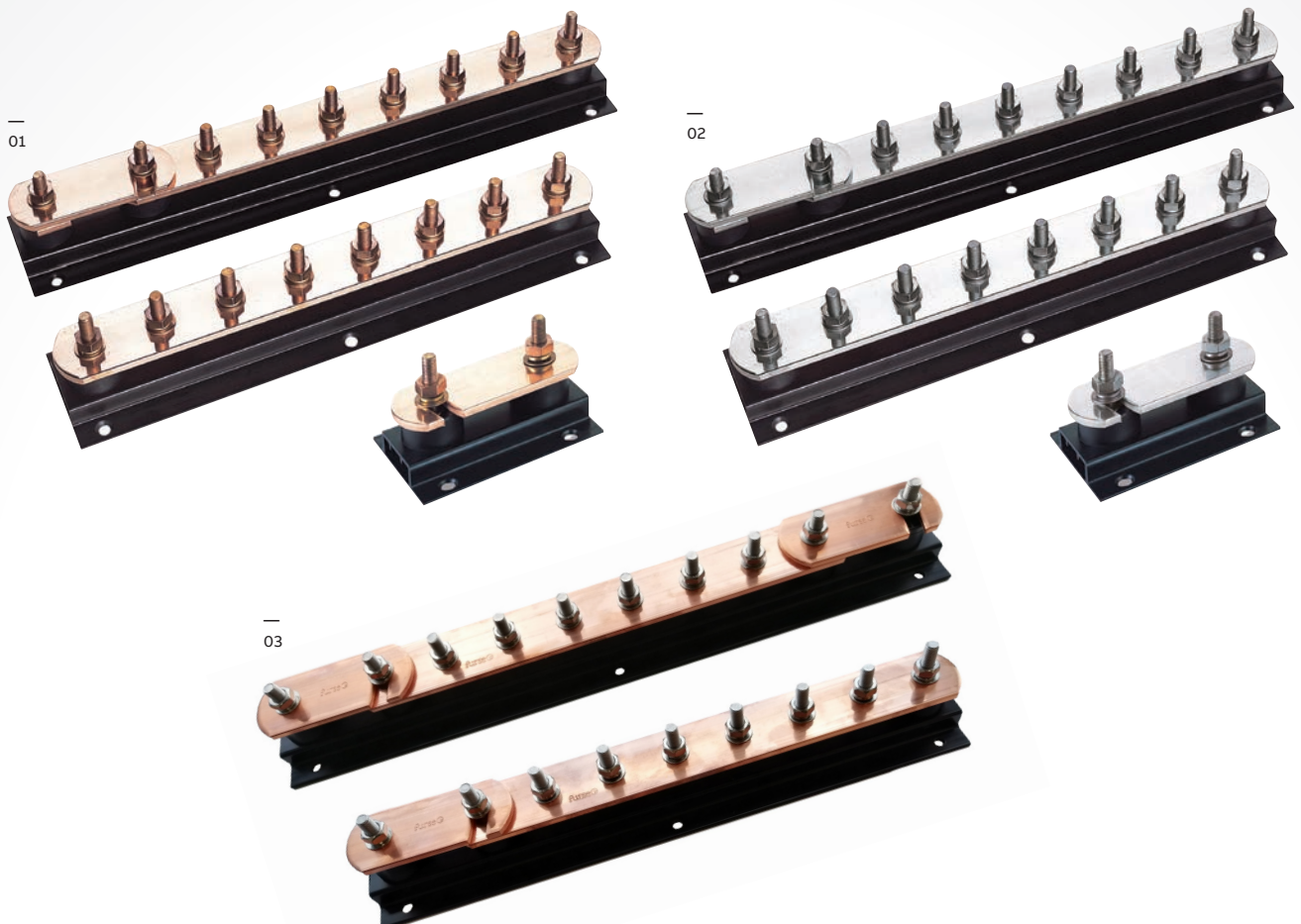
- Swan-Neck accessory, to facilitate the main earth bar connection
- Available as bare copper or tinned copper hard drawn bar

Special earth bar requirements

Standard earth bars meet the majority of applications, however where a customer has a specific requirement, we can design and manufacture special earth bars and disconnecting links as appropriate. Special earth bar designs are provided for customer review and approval as required before manufacture.

Special earth bar design variables include:

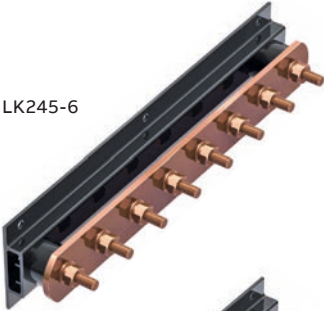
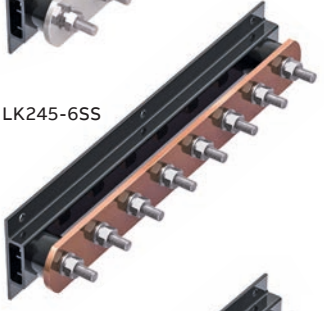
- Length, width and thickness of earth bar
- Size and type of bolt, hex nut and washer
- Number of disconnecting links, and their position
- Number of insulators
- Supplied with mounting base or without

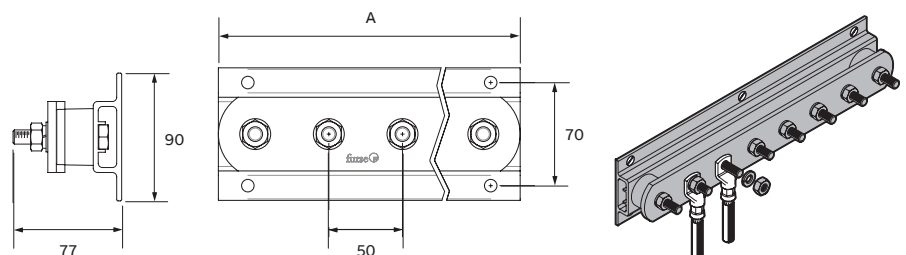


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Earth bars

Earth bar

	Part no.	ABB order code	Description	Dimension A / Length (mm)	Weight each (kg)	Certification / standards
 LK245-6	Copper earth bar					
	LK245-6	7TCA083670R0739	6 way	400	1.80	● ●
	LK245-8	7TCA083670R0745	8 way	500	2.20	● ●
	LK245-10	7TCA083670R0685	10 way	650	2.80	● ●
	LK245-12	7TCA083670R0690	12 way	750	3.20	● ●
	LK245-14	7TCA083670R0693	14 way	850	3.60	● ●
	LK245-16	7TCA083670R0697	16 way	950	4.00	● ●
	LK245-18	7TCA083670R0700	18 way	1,050	4.40	● ●
	LK245-20	7TCA083670R0703	20 way	1,200	5.00	● ●
	LK245-22	7TCA083670R0706	22 way	1,300	5.40	● ●
	LK245-24	7TCA083670R0709	24 way	1,400	5.80	● ●
	LK245-26	7TCA083670R0712	26 way	1,500	6.20	● ●
	LK245-28	7TCA083670R0714	28 way	1,650	6.90	● ●
	LK245-30	7TCA083670R0718	30 way	1,750	7.30	● ●
 LK245-6T	Tinned copper earth bar					
	LK245-6T	7TCA083670R0741	6 way	400	1.80	●
	LK245-8T	7TCA083670R0750	8 way	500	2.20	●
	LK245-10T	7TCA083670R0686	10 way	650	2.80	●
	LK245-12T	7TCA083670R0691	12 way	750	3.20	●
	LK245-14T	7TCA083670R0694	14 way	850	3.60	●
	LK245-16T	7TCA083670R0698	16 way	950	4.00	●
	LK245-18T	7TCA083670R0701	18 way	1,050	4.40	●
	LK245-20T	7TCA083670R0705	20 way	1,200	5.00	●
	LK245-22T	7TCA083670R0707	22 way	1,300	5.40	●
	LK245-24T	7TCA083670R0710	24 way	1,400	5.80	●
	LK245-26T	7TCA083670R0713	26 way	1,500	6.20	●
 LK245-6SS	Copper earth bar with stainless steel fixings					
	LK245-6SS	7TCA083670R1257	6 way	400	1.80	●
	LK245-8SS	7TCA083670R1264	8 way	500	2.20	●
	LK245-10SS	7TCA083670R1260	10 way	650	2.80	●
	LK245-12SS	7TCA083670R1256	12 way	750	3.20	●
 LK245-6TSS	Tinned copper earth bar with stainless steel fixings					
	LK245-6TSS	7TCA083670R1279	6 way	400	1.80	●
	LK245-8TSS	7TCA083670R1278	8 way	500	2.20	●
	LK245-10TSS	7TCA083670R1277	10 way	650	2.80	●
	LK245-12TSS	7TCA083670R1276	12 way	750	3.20	●



Certification / Standards: ● BS 7430 / ● IEC 62561-1 Class N.

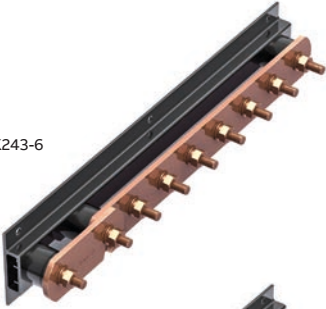
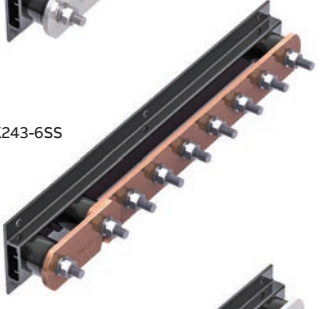
Fix using countersunk wood screws 1½" No. 12 (Part no. SW110) and wall plugs (Part no. PS310).

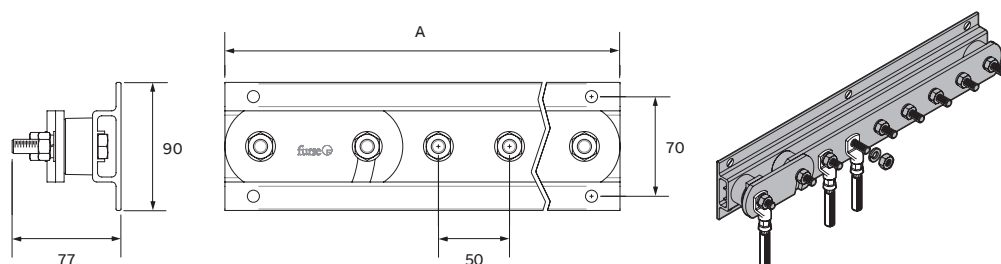
Tightening torque 20 Nm.

Earth bonds & clamps

Earth bars

Earth bar with single disconnecting link

	Part no.	ABB order code	Description	Dimension A / Length (mm)	Weight each (kg)	Certification / standards
 LK243-6	Copper earth bar					
	LK243-6	7TCA083670R0676	6 way	475	2.30	●
	LK243-8	7TCA083670R0679	8 way	575	2.70	●
	LK243-10	7TCA083670R0647	10 way	725	3.30	●
	LK243-12	7TCA083670R0650	12 way	825	3.70	●
	LK243-14	7TCA083670R0653	14 way	925	4.10	●
	LK243-16	7TCA083670R0656	16 way	1,025	4.50	●
	LK243-18	7TCA083670R0658	18 way	1,125	4.90	●
	LK243-20	7TCA083670R0661	20 way	1,275	5.50	●
	LK243-22	7TCA083670R0663	22 way	1,375	5.90	●
	LK243-24	7TCA083670R0664	24 way	1,475	6.30	●
	LK243-26	7TCA083670R0666	26 way	1,575	6.70	●
	LK243-28	7TCA083670R0667	28 way	1,725	7.40	●
	LK243-30	7TCA083670R0669	30 way	1,825	7.80	●
 LK243-6-T	Tinned copper earth bar					
	LK243-6T	7TCA083670R0677	6 way	475	2.30	●
	LK243-8T	7TCA083670R0680	8 way	575	2.70	●
	LK243-10T	7TCA083670R0648	10 way	725	3.30	●
	LK243-12T	7TCA083670R0651	12 way	825	3.70	●
	LK243-14T	7TCA083670R0836	14 way	925	4.10	●
	LK243-16T	7TCA083670R0657	16 way	1,025	4.50	●
	LK243-18T	7TCA083670R0659	18 way	1,125	4.90	●
	LK243-20T	7TCA083670R0662	20 way	1,275	5.50	●
	LK243-22T	7TCA083870R1730	22 way	1,375	5.90	●
	LK243-24T	7TCA083670R0665	24 way	1,475	6.30	●
	LK243-26T	7TCA083670R1069	26 way	1,575	6.70	●
	LK243-28T	7TCA083670R0971	28 way	1,725	7.40	●
	LK243-30T	7TCA083670R1067	30 way	1,825	7.80	●
 LK243-6SS	Copper earth bar with stainless steel fixings					
	LK243-6SS	7TCA083670R1254	6 way	475	2.30	●
	LK243-8SS	7TCA083670R1262	8 way	575	2.70	●
	LK243-10SS	7TCA083670R1258	10 way	725	3.30	●
	LK243-12SS	7TCA083670R1255	12 way	825	3.70	●
 LK243-6TSS	Tinned copper earth bar with stainless steel fixings					
	LK243-6TSS	7TCA083670R1275	6 way	475	2.30	●
	LK243-8TSS	7TCA083670R1274	8 way	575	2.70	●
	LK243-10TSS	7TCA083670R1273	10 way	725	3.30	●
	LK243-12TSS	7TCA083670R1272	12 way	825	3.70	●



Certification / Standards: ● BS 7430.

Fix using countersunk wood screws 1½" No. 12 (Part no. SW110) and wall plugs (Part no. PS310).

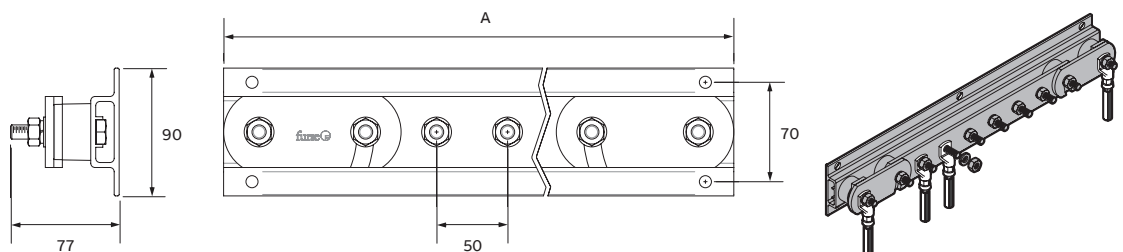
Tightening torque 20 Nm.

Earth bonds & clamps

Earth bars

Earth bar with twin disconnecting links

	Part no.	ABB order code	Description	Dimension A / Length (mm)	Weight each (kg)	Certification / standards
Copper earth bar						
LK207-6	LK207-6	7TCA083670R0632	6 way	550	2.80	●
	LK207-8	7TCA083670R0634	8 way	650	3.20	●
	LK207-10	7TCA083670R0603	10 way	800	3.80	●
	LK207-12	7TCA083670R0605	12 way	900	4.20	●
	LK207-14	7TCA083670R0607	14 way	1,000	4.60	●
	LK207-16	7TCA083670R0611	16 way	1,100	5.00	●
LK207-6-T	LK207-18	7TCA083670R0613	18 way	1,200	5.40	●
	LK207-20	7TCA083670R0615	20 way	1,350	6.00	●
	LK207-22	7TCA083670R0618	22 way	1,450	6.40	●
	LK207-24	7TCA083670R0620	24 way	1,550	6.80	●
	LK207-26	7TCA083670R0623	26 way	1,650	7.20	●
	LK207-28	7TCA083670R0625	28 way	1,800	7.90	●
LK207-6SS	LK207-30	7TCA083670R0627	30 way	1,900	8.30	●
	Tinned copper earth bar					
	LK207-6T	7TCA083670R0633	6 way	550	2.80	●
	LK207-8T	7TCA083670R0635	8 way	650	3.20	●
	LK207-10T	7TCA083670R0604	10 way	800	3.80	●
	LK207-12T	7TCA083670R0606	12 way	900	4.20	●
LK207-6TSS	LK207-14T	7TCA083670R0608	14 way	1,000	4.60	●
	LK207-16T	7TCA083670R0612	16 way	1,100	5.00	●
	LK207-18T	7TCA083670R0614	18 way	1,200	5.40	●
	LK207-20T	7TCA083670R0616	20 way	1,350	6.00	●
	LK207-22T	7TCA083670R0619	22 way	1,450	6.40	●
	LK207-24T	7TCA083670R0621	24 way	1,550	6.80	●
LK207-6TSS	LK207-26T	7TCA083670R0624	26 way	1,650	7.20	●
	LK207-28T	7TCA083670R0994	28 way	1,800	7.90	●
	LK207-30T	7TCA083670R0628	30 way	1,900	8.30	●
Copper earth bar with stainless steel fixings						
LK207-6SS	LK207-6SS	7TCA083670R1263	6 way	550	2.80	●
	LK207-8SS	7TCA083670R1265	8 way	650	3.20	●
	LK207-10SS	7TCA083670R1259	10 way	800	3.80	●
	LK207-12SS	7TCA083670R1261	12 way	900	4.20	●
Tinned copper earth bar with stainless steel fixings						
LK207-6TSS	LK207-6TSS	7TCA083670R1271	6 way	550	2.80	●
	LK207-8TSS	7TCA083670R1270	8 way	650	3.20	●
	LK207-10TSS	7TCA083670R1269	10 way	800	3.80	●
	LK207-12TSS	7TCA083670R1268	12 way	900	4.20	●



Certification / Standards: ● BS 7430.

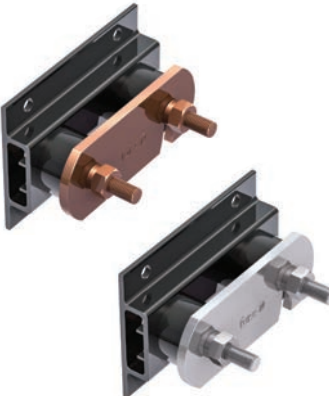
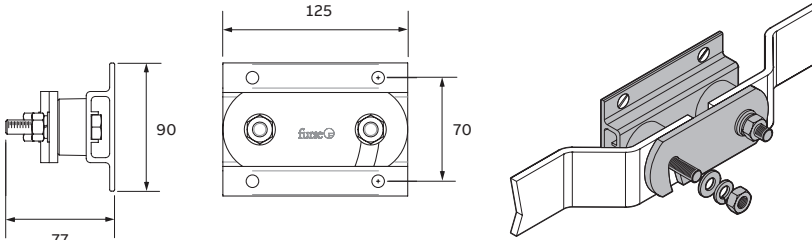
Fix using countersunk wood screws 1½" No. 12 (Part no. SW110) and wall plugs (Part no. PS310).

Tightening torque 20 Nm.

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Accessories

Earth bar links

	Part no.	ABB order code	Description	Length (mm)	Width (mm)	Height (mm)	Weight	Certification / standards
							each (kg)	
	Copper link							
	LK004	7TCA083670R0599	Swan-neck link	150	50	36	0.42	●
	LK205	7TCA083670R0600	Disconnecting link	125	90	77	0.59	●
	Tinned copper link							
	LK004T	7TCA083670R0925	Swan-neck link	150	50	36	0.42	●
	LK205T	7TCA083670R0601	Disconnecting link	125	90	77	0.59	●
								

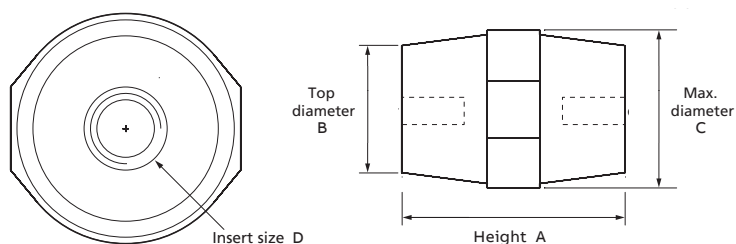
Certification / Standards: ● BS 7430.

Disconnecting link: fix using countersunk wood screws 1½" No. 12 (Part no. SW110) and wall plugs (Part no. PS310).

Tightening torque 20 Nm.

Insulator

	Part no.	ABB order code	Height (A) (mm)	Top diameter (B) (mm)	Max diameter (C) (mm)	Insert size (D)	For copper bar size (mm)
	Insulator						
	IN020	7TCA083340R0008	20	Ø14	Ø18	M6	25 x 3
	IN030	7TCA083340R0009	30	Ø25	Ø33	M6	25 x 6
	IN040	7TCA083340R0010	40	Ø31	Ø39	M8	38 x 6
	IN013	7TCA083340R0007	50	Ø27	Ø35	M10	50 x 6
	IN060	7TCA083340R0011	60	Ø38	Ø52	M10	75 x 6
	IN070	7TCA083340R0012	70	Ø51	Ø55	M12	100 x 6
	Insulator with 2 studs and 3 nuts						
	IN005	7TCA083340R0006	50	Ø27	Ø35	M10	50 x 6



Insulator manufactured from grey GRP material with brass insert.