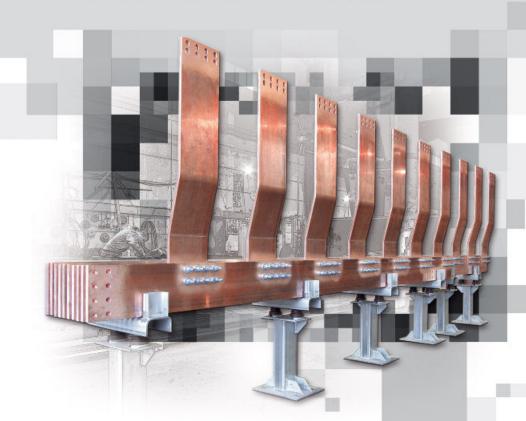




FLEXIBLE CONNECTORS &

BUS BAR SYSTEMS

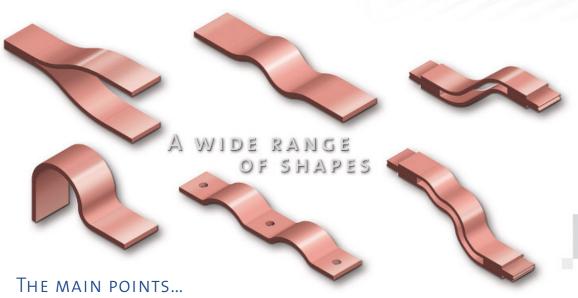


WITH CONCURRENT MECHANICAL FLEXIBILITY, FLOHE EXPANSION CONNECTORS SERVE TO COMPENSATE VIBRATION

BETWEEN SWITCHES, TRANSFORMERS,
HIGH VOLTAGE COMPONENTS AND THEIR RIGID BUS BAR

In contrast to a rigid connection, they compensate switching impulses, vibrations or, in the case of expansion as a result of current heat, mechanical changes. There are various manufacturing technologies available for each application case. At the same time, a rough distinction is made between expansion connectors made from foil and braid.

If you require a special embodiment for your constructive solutions, FLOHE's in-house designers will implement and produce the right connector for you.



WHEN DEVELOPING AN EXTENSION CONNECTOR ARE THE CURRENT RATING, FLOW OF THE CURRENT. THE CONNECTION MATERIAL. FLEXIBILITY AND THE INSTALLATION CONDITIONS.

The equipment to be connected determines the choice of material. A copper expansion connector is used in the case of connections between copper bus bars. Aluminium expansion connectors are used for aluminium bus bars.

If an aluminium bus bar is to be connected to a copper connection however, there are several design variants. Pressure welding, gas-shielded arc welding, explosive plating or screwing onto a Cupal bimetallic plate. Alternatively, there is surface treatment, such as silver, nickel, tin or copper plating.

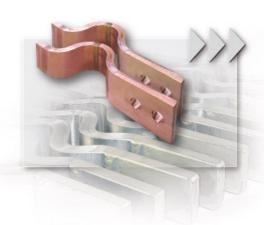
Current levels have the greatest impact with respect to the cross section. In addition, voltage drops, power dissipation and operating temperatures also have an influence. 50 ° C - 60 ° C is an optimum operating temperature. Depending on the path ('1'), the flexibility of a connector is defined in one direction by the required force ('F').

Another defining measure of the flexibility of the connector is its torsional stiffness, i.e. the size of the torque at which a defined angle or twist is achieved.

FLOHE offers a wide and differentiated product range with flexible connections in the field of high voltage technology. We create expansion connectors using different materials and different production technologies.

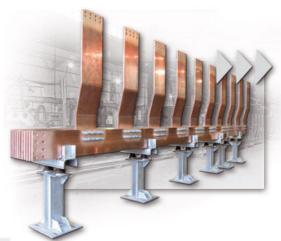
Our portfolio is rounded off by our installation department. From on site welding through to the provision of a supervisor, it's all in our range of services. We are happy to manage the installation of complete systems.

CONTENTS



EXPANSION CONNECTORS

made from copper · pressure welded embodiment
Expansion connector (foil) Type FA made from aluminium · pressure welded embodiment
Expansion connector (foil) Type FK made from copper · pressure riveted embodiment
Expansion connector (foil) Type FKS made from copper·with flat copper welded on9



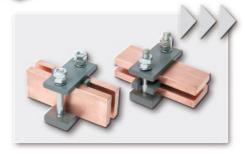
HIGH VOLTAGE BUS BAR SYSTEMS

Over 60 years of expertise in...

engineering

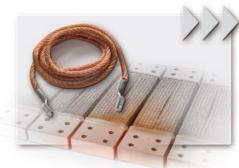
manufacturing

and the installation



BUS BAR SUPPORT

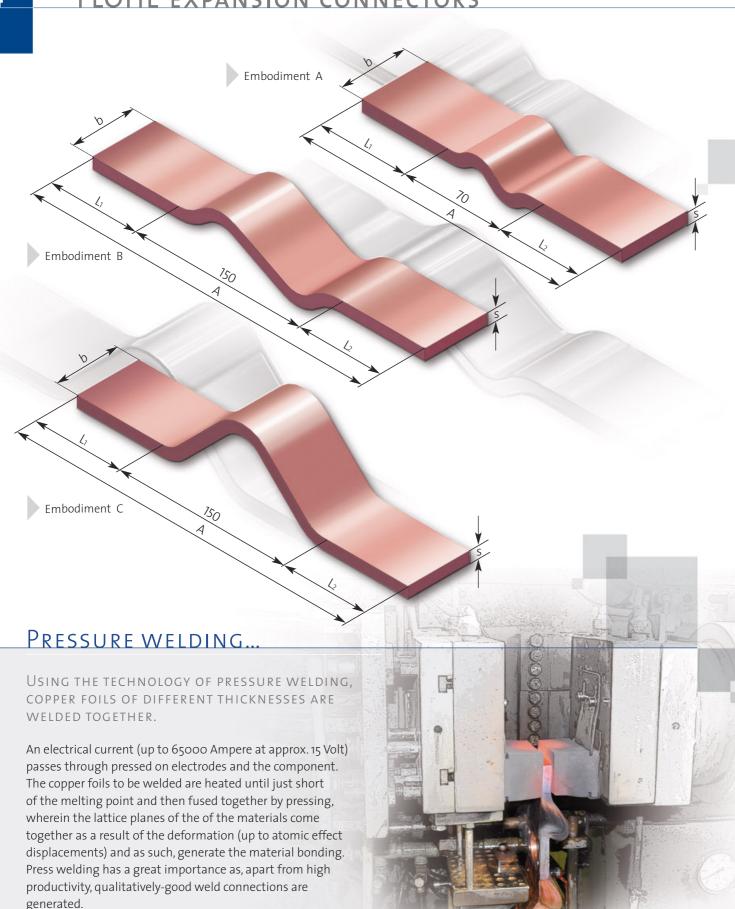
Bus bar support Type FS	
for standing bus bars14	
Bus bar support Type FL	
for lying bus bars15	1



HIGHLY FLEXIBLE EXPANSION CONNECTORS

Technical notes
Expansion connector (mesh) > Type FR made from highly flexible copper strand · pressed on lug
Expansion connector (mesh) > Type FH made from highly flexible copper expansion connectors 18 - 19

Pressure welded expansion connectors from FLOHE exhibit exceptional conductibility on account of a fully molecular composition. The contact surfaces can be drilled, milled and bent.



TYPE FKD

EXPANSION CONNECTORS MADE FROM COPPER

IN A PRESSURE WELDED EMBODIMENT

- HIGH ELASTICITY
- GOOD CONDUCTABILITY
- THICKNESS CAN BE FREELY SELECTED

TECHNICAL DATA

MATERIAL:

Cu-HCP foils (formerly SE-Cu) in accordance with DIN EN 13599 · Other thicknesses are available according to your specifications

With cover sheets, upon request

INSTALLATION NOTES:

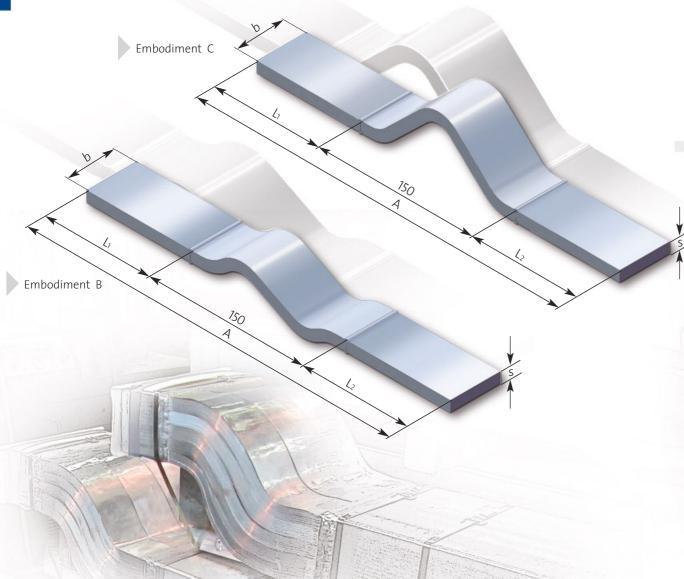
If the embodiment A or B expansion connectors are installed on top of each other 5 mm thick, please make sure when installing that the small radius of one bent arc is placed into the large radius of the other bent arc.

	FKD		
	Width	28, 38, 48, 58, 78, 98, 118 200	
	Thickness	4 65	
	Foil thickness	0,04 0,5	
	L ₁ /L ₂	10 200	
	A	50 2000	
	Drill pattern	In accordance with DIN 43673 and DIN 46276 parts 1+2	
	Drill diameter	430	
	Expanded part	A, B, C	
	Contact surfaces	Bare, tin plated, silver plated	
Note: Other dimensions and shapes are available on request.			



ORDER EXAMPLE...

Copper expansion connector	Type FKD 58 x 15 x 310 Embodiment B
Expanded part	150 mm
Length of the connecting lug L ₁	80 mm
Length of the connecting lug $\ L_2$	80 mm
Total length	310 mm



MATERIAL COMPARISON...

Physical properties		COPPER E-Cu	PURE ALUMINIUM E-AL 99,7	ALUMINIUM ALLOY E-AIMGSI 0,5	STEEL
Density	kg/dm³	8,9	2,7	2,7	7,85
Electrical conductivity at 20°C at 80°C	$\frac{S \cdot m}{mm^2}$	57 46	35 28	31 25	ca. 7 ca. 6
Specific resistance (p) at 20°C	$\frac{\Omega \cdot \text{mm}^2}{\text{m}}$	0,0175	0,0286	0,0323	app. 0,0143
Temperature coefficient α of the electr. resistance between 1°C and 100°C $R_T=R_{20}(1+\alpha(T-20))$; $T=Operating temperatu$	ne TK	0,0038	0,004	0,0036	0,005
Melting point	°C	1083	658	630	app. 1400
Average heat expansion coeffizient $\alpha_{\rm L}$ between 1°C and 100°C	$\frac{mm}{m \cdot K}$	0,017	0,024	0,023	0,012
Medium material expansion Δ_L ($L=10$ m and $\Delta_T=100$ k) ($\Delta_L=\alpha_L\cdot L\cdot \Delta T$)	mm	17	24	23	12
E-module	$\frac{N}{mm^2}$	110000	65000	70000	210000
Spec. force with a heat expansion between 1°C and 100°C	$\frac{N}{K \cdot mm^2}$	1,87	1,56	1,61	2,52
Thermal limiting current density	A mm²	154	102	89	-
Melting current density	A mm²	3060	190	1690	-

TYPE FA

EXPANSION CONNECTOR
MADE FROM ALUMINIUM
IN A PRESSURE WELDED EMBODIMENT

FOR ALUMINIUM
BUS BARS

TECHNICAL DATA...

MATERIAL:

Aluminium foils with a 0.5 mm thickness Solid aluminium pieces are welded at the ends

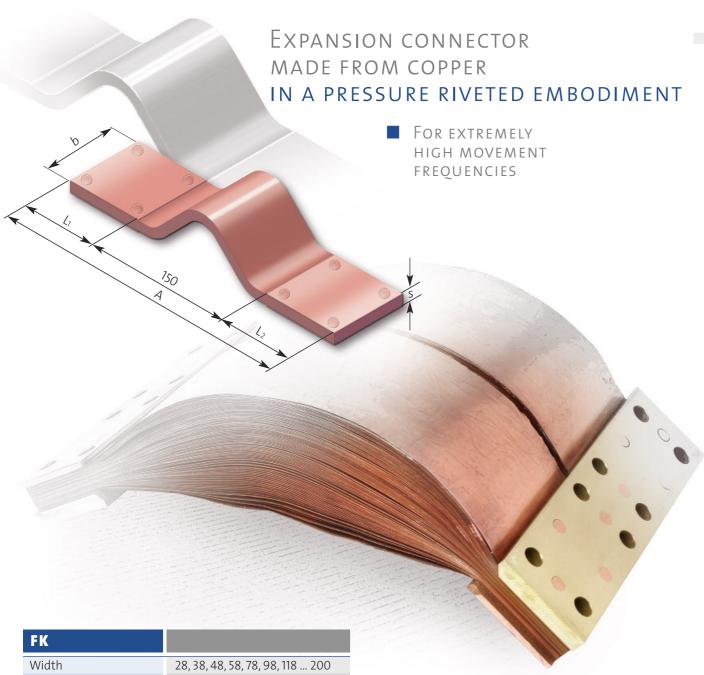
Upon request, the length, width and sheet thickness can be changed

FA			
Width	38, 48, 58, 78, 98, 118		
Thickness	5 50		
Foil thickness	0,2 1,0		
L ₁ /L ₂	20 6000		
А	50 12000		
Drill pattern	In accordance with DIN 43673 and DIN 46276 parts 1 + 2		
Drill diameter	430		
Expanded part	B, C		
Contact surfaces	Bare		
NOTE: Other dimensions and shapes are available on request.			

ORDER EXAMPLE...

Aluminium expansion connector	Type FA 48 x 10 Embodiment B
Expanded part	150 mm
Length of the connecting lug L ₁	80 mm
Length of the connecting lug L ₂	80 mm
Total length	310 mm

TYPE FK



Width 28, 38, 48, 58, 78, 98, 118 ... 200 Thickness 4 ... 65 Foil thickness 0,04 ... 0,5 L₁/L₂ 10 ... 200 A 50 ... 2000 Drill pattern In accordance with DIN 43673 and DIN 46276 parts 1 + 2 Drill diameter 4 ... 30 Contact surfaces Bare, tin plated, silver plated

NOTE:: Other dimensions and shapes are available on request.

TECHNICAL DATA...

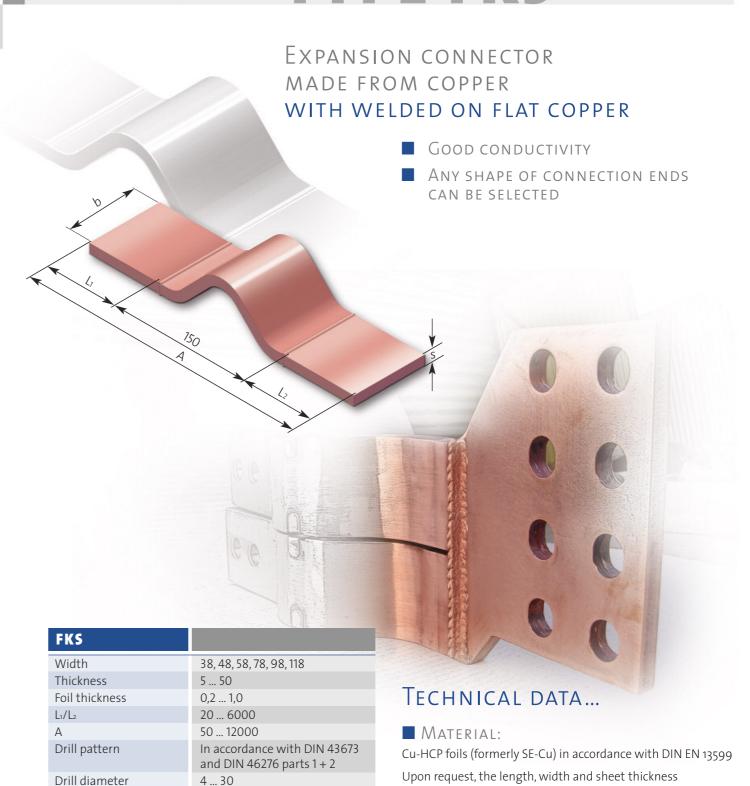
MATERIAL:

Cu-HCP foils (formerly SE-Cu) in accordance with DIN EN 13599 Upon request, the length, width and sheet thickness can be changed

CONTACT ENDS:

Riveted and pressed, strengthened by a 1mm Cu sheet

TYPE FKS



can be changed

CONTACT ENDS:

Welded on flat copper, Cu-HCP in accordance with DIN

B, C

Bare

NOTE: Other dimensions and shapes are available on request.

Expanded part

Contact surfaces

A HIGH DEGREE OF ADAPTABILITY TO DIFFERENT INSTALLATION CONDITIONS IS ACHIEVED...

through the combination of fixed and flexible components and as such, adherence to the planned overall installation period is assured.

Neither changes to the alignment nor compensation of the set-up tolerances of the switchgear lead to significant installation delays.



FLOHE HOCHSTROMTECHNIK HAS MANY YEARS OF EXPERIENCE IN THE FOLLOWING SECTORS:

- MIG and TIG welding
- Press welding
- Working with explosive-plated sheeting
- Aluminium welding
- Hard soldering
- Processing of surfaces

AT ALL STAGES IN THE ENGINEERING PHASE

there is a person who is both responsible for the project and on hand to offer the customer advice and guidance. Professional installation by our supervisor rounds the project off and steers the customer onto the path of successful operation

BUS BAR SYSTEMS (UP TO 360 KA)

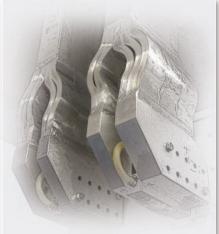
OVERY 60 YEARS OF INNOVATIVE EXPERTISE

IN THE FIELDS OF ENGINEERING AND MANUFACTURING AS WELL AS THE INSTALLATION OF CUSTOMISED BUS BARS

- NATURALLY IN ACCORDANCE WITH ISO 14001 + OHSAS 18001

The systems are either carried out in accordance with customer drawings or completed as a turnkey project and are specially designed for the connection from the power generator to the loads.



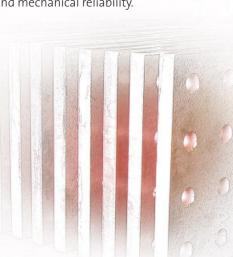


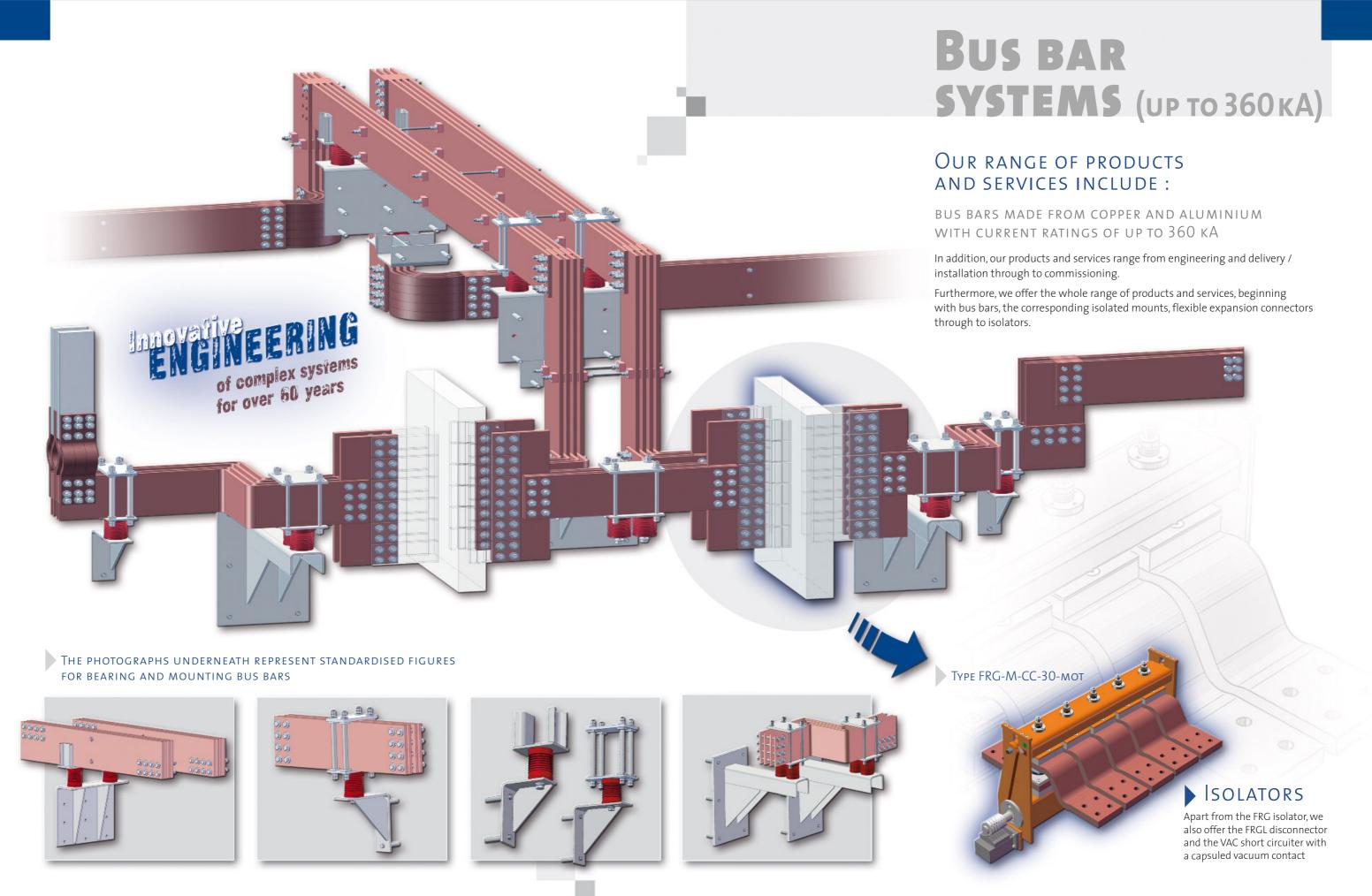
AT FLOHE HOCHSTROMTECHNIK, OPERATIONAL SAFETY TAKES CENTRE STAGE.

The conductor spacings are designed for a high short-circuit resistance and determined by the holder. Optionally, depending on the customer's wishes, the bus bar holders are made from galvanised steel or stainless steel with an insulating plate. The thickness of the insulation plate directly depends on the operating voltage. As a result of this design, there is a high thermal and mechanical reliability.

When processing customer orders, design data is transmitted directly from the CAD workstations to the respective CNC machine in the integrated production lines. As a result of the optimally used manufacturing control, the total processing time is shortened considerably.

When in-house manufacturing capacity is fully utilised, we have a network of partner companies available. Of course, all foreign manufactured components are tested by our incoming goods inspection office and quality assurance department.

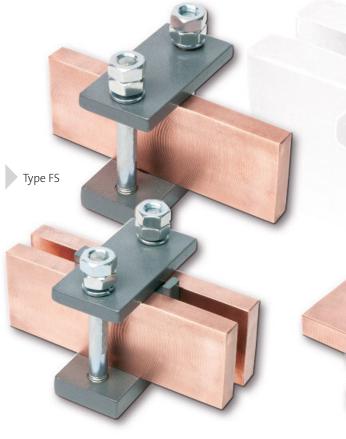




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For laying copper bus bars, the holders receive a special protective covering.

Bus bars which are suitable for insulated support groups A, B and C.





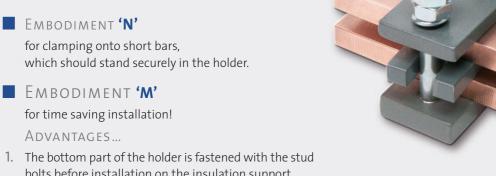
■ EMBODIMENT 'N'

for clamping onto short bars, which should stand securely in the holder.

■ EMBODIMENT 'M'

for time saving installation!

- ADVANTAGES...
- bolts before installation on the insulation support. 2. Simple insertion of the bars between the stud bolts when installing.
- 3. Application possibility for bars, which should stand securely in the holder through tightening the nuts. This also applies to long bars which, due to the heat expansion, have to stand sliding against each other in the holder by tightening the nuts..



■ EMBODIMENT 'ML'

for the sliding suspension of long bars.

Contrary to embodiment M, the clamping section (upper part of holder) does not lie on the bars but on the bolts.

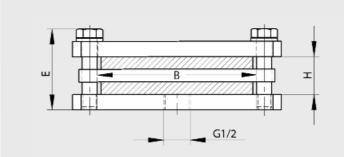
TYPE FS

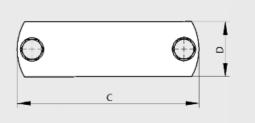
TYPE FL

BUS BAR SUPPORT FOR STANDING **BUS BARS**

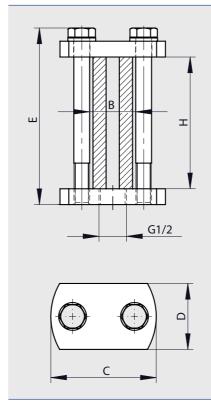
BUS BAR SUPPORT FOR LYING **BUS BARS**

TYPE FL





Type FS



TYPE	for 2 rails	В	Н	D	С	Е	
FS 40 - 5-II	40 x 5	35	40	40	70	70	
FS 40 - 10 - II	40 x 10	35	40	40	70	70	
FS 50 - 5-II	50 x 5	35	50	40	70	80	
FS 50 - 10 - II	50 x 10	35	50	40	70	80	
FS 60 - 5-II	60 x 5	35	60	40	70	90	
FS 60 - 10 - II	60 x 10	35	60	40	70	80	
FS 80 - 10 - II	80 x 10	35	80	40	70	110	
FS 100 - 10 - II	100 x 10	35	100	40	70	130	
FS 120 - 10 -II	120 x 10	35	120	50	80	156,5	
FL 40 - 5-II	40 x 5	45	15	35	80	50	
FL 40 - 10 - II	40 x 10	45	30	35	80	55	
FL 50 - 5-II	50 x 5	55	10	40	90	50	
FL 50 - 10 - II	50 x 10	55	30	40	90	60	
FL 60 - 10 - II	60 x 10	65	30	40	100	60	
FL 80 - 10 - II	80 x 10	85	30	40	120	60	
FL 100 - 10 -II	100 x 10	105	30	40	140	60	
FL 120 - 10 -II	120 x 10	125	30	50	165	68	
ALSO SLIDBLIED AS EOD 1 BLIS BAD AND OR 3 OR 5 BLIS BADS							

ALSO SUPPLIED AS FOR 1 BUS BAR AND/OR 3 OR 5 BUS BARS

Embodiment 'N' with hexagonal head screws (normal) Embodiment 'M' with stud bolts

Embodiment 'ML' with strengthened stud bolts

*) upon request, for countersunk screws M10, M12 and M16

HIGHLY FLEXIBLE EXPANSION CONNECTORS

... MADE FROM COPPER

CONNECTION PIECES AND LINKS MADE FROM FLEXIBLE COPPER EXPANSION CONNECTOR

THE CONNECTION PIECES AND LINKS ARE MAINLY INSTALLED WHERE A GREAT DEGREE OF FLEXIBILITY IS NECESSARY, AND/OR WHERE THERE ARE 2 LEVELS OF MOVEMENT.

- In general, our connectors are pressed on the ends with the contact sleeves and not, as is often seen in practice, soldered.
- The press procedure has the advantage that materials with the same composition and same conductance are joined together, something that with tin, when it is also used, is not the case.
- The cross section in mm stated by us in the summary of types is the real conductor cross section (single wire cross section times number of wires). The connection cross section 'B x connection thickness' never corresponds to the conductor cross-section.
- Upon request, the connection pieces and links can be clad with a protective hose.
- Load table for copper strand and copper strand connectors when heated from 35 °C to 70 °C

THE FOLLOWING FIGURES ARE NON-BINDING GUIDELINE VALUES.

If several connectors in parallel are used for each phase, it is necessary to reduce the load values.

Nominal cross section mm ²	Load in Ampere
10.0	85
16.0	120
25.0	150
35.0	195
50.0	250
70.0	300
95.0	360
120.0	420
150.0	480
185.0	570
240.0	670
300.0	780
400.0	950
500.0	1100
625.0	1300
800.0	1500
1000.0	1800
1500.0	2200
2000.0	2400
3000.0	3000

TYPE FR

HIGH FLEXIBLE EXPANSION CONNECTOR

MADE FROM A HIGHLY FLEXIBLE COPPER

STRAND WITH A PRESSED ON CABLE LUG

- HIGH LEVEL
 OF MOBILITY
- FOR SPECIAL

APPLICATIONS

Type FR

TECHNICAL DATA...

MATERIAL:

highly flexible, bare, round copper strand o.1 mm single wire diameter, also available optionally in a tin plated embodiment

CONTACT ENDS:

The contact ends consist of copper sleeves which are pressed on

DRILL HOLES:

The stated drill holes in the cable lugs correspond to the normal embodiment. Upon request, we can also supply with larger drill holes

TYPE	Cross section mm²	В	d	А	Weight kg
FR 10	10	12.5	6.5	200	арр. 0.04
FR 16	16	12.5	6.5	200	арр. 0.06
FR 25	25	15.0	8.5	200	арр. 0.10
FR 35	35	17.0	8.5	200	арр. 0.14
FR 50	50	20.0	10.5	200	арр. 0.20
FR 70	70	23.0	10.5	210	арр. 0.28
FR 95	95	26.5	10.5	210	арр. 0.36
FR 120	120	30.0	13.0	220	арр. 0.50
FR 150	150	31.0	13.0	220	арр. 0.65
FR 185	185	35.0	17.0	230	арр. 0.85
FR 240	240	38.5	17.0	230	арр. 1.10
FR 300	300	43.5	20.0	230	арр. 1.50

Special embodiments are available upon request.

HIGHLY FLEXIBLE EXPANSION CONNECTORS

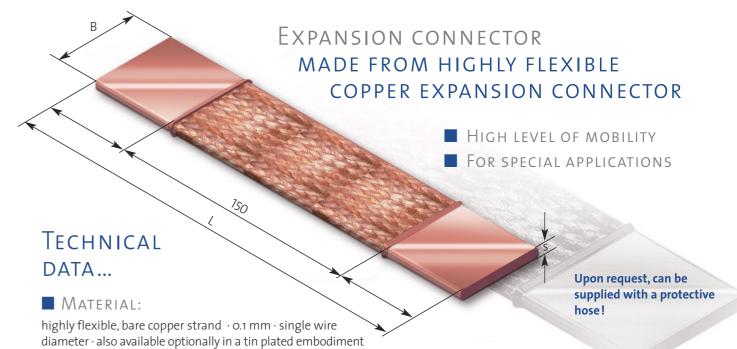
... MADE FROM COPPER

TYPE	Cross section	В	S	Current load as AC
FH 015 - 0012	12	15	3	100
FH 020 - 0016	16	20	3	130
FH 020 - 0025	25	20	3.5	140
FH 025 - 0025	25	25	3.5	140
FH 030 - 0025	25	30	3	270
FH 015 - 0035	35	15	3	115
FH 020 - 0035	35	20	4	200
FH 040 - 0035	35	40	3	310
FH 020 - 0050	50	20	5	240
FH 025 - 0050	50	25	5	290
FH 030 - 0050	50	30	4	295
FH 035 - 0050	50	35	4.5	330
FH 040 - 0050	50	40	4	340
FH 020 - 0070 FH 050 - 0070	70 70	20 50	6.5	310 630
FH 050 - 0070 FH 060 - 0070	70	60	6 6	655
FH 000 - 0070 FH 025 - 0075	75	25	6.5	360
FH 030 - 0075	75	30	5	390
FH 030 - 0075 FH 040 - 0075	75	40	4.5	420
FH 015 - 0100	100	15	7	350
FH 020 - 0100	100	20	7.2	360
FH 022 - 0100	100	22	7	380
FH 025 - 0100	100	25	7.3	420
FH 038 - 0100	100	38	6	430
FH 040 - 0100	100	40	5.5	430
FH 050 - 0100	100	50	5	590
FH 055 - 0100	100	55	5.5	620
FH 080 - 0100	100	80	6	910
FH 020 - 0120	120	20	6	360
FH 040 - 0120	120	40	6.5	450
FH 050 - 0120	120	50	7	660
FH 025 - 0125	125	25	8.8	510
FH 030 - 0125	125	30	8	540
FH 050 - 0140	140	50	7	650
FH 060 - 0140	140	60	8	850
FH 020 - 0150	150	20 25	9 8.8	380 490
FH 025 - 0150 FH 030 - 0150	150 150	30	9	550
FH 040 - 0150	150	40	7.5	480
FH 045 - 0150	150	45	7.7	490
FH 050 - 0150	150	50	7.5	740
FH 030 - 0175	175	30	10	630
FH 025 - 0200	200	25	15	580
FH 030 - 0200	200	30	11	620
FH 040 - 0200	200	40	8.7	650
FH 045 - 0200	200	45	9	660
FH 050 - 0200	200	50	8	760
FH 055 - 0200	200	55	8.2	815
FH 080 - 0200	200	80	7.5	960
FH 040 - 0210	210	40	7.8	620
FH 048 - 0210	210	48	8	760
FH 050 - 0210	210	50	8.3	770
FH 060 - 0210	210	60	9.2	860
FH 050 - 0240	240	50	10.0	900
FH 055 - 0240	240	55	9.5	910 640
FH 030 - 0250 FH 040 - 0250	250 250	30 40	12.0 11.0	790
FH 060 - 0250	250	60	10.0	980
FH 030 - 0270	270	30	10.0	600
FH 050 - 0280	280	50	10.5	905
FH 060 - 0280	280	60	10.5	1010
FH 080 - 0280	280	80	8.5	1050
FH 030 - 0300	300	30	15.5	790
FH 035 - 0300	300	35	14.5	800
FH 040 - 0300	300	40	13	850
FH 045 - 0300	300	45	13	870
FH 048 - 0300	300	48	12	970
The max. current load depends	on the environm	nental conditions	· The values do r	not apply to non-clad connectors

TYPE	Cross section	В	S	Current load as AC
FH 055 - 0300	300	55	11	980
FH 060 - 0300	300	60	10.5	980
FH 038 - 0350	350	38	14.5	960
FH 040 - 0350	350	40	14	910
FH 050 - 0350	350	50	13	980
FH 060 - 0350	350	60	12	1120
FH 080 - 0350	350	80	10	1080
FH 100 - 0350	350	100	10	1360
FH 030 - 0400	400	30	16	820
FH 040 - 0400	400	40	15.5	990
FH 045 - 0400	400	45	15	1010
FH 048 - 0400	400	48	14	1260
FH 055 - 0400	400	55	12	1120
FH 120 - 0400	400	120	12	1560
FH 050 - 0420 FH 060 - 0420	420	50	13.8 14	1090
FH 080 - 0420	420 420	60 80	11	1370 1380
FH 100 - 0420	420	100	11	1510
FH 035 - 0450	450	35	20.5	1090
FH 080 - 0480	480	80	13	1540
FH 035 - 0490	490	35	19.5	1180
FH 040 - 0490	490	40	20	1110
FH 050 - 0490	490	50	17	1490
FH 060 - 0490	490	60	15.5	1360
FH 055 - 0500	500	55	13.2	1290
FH 070 - 0500	500	70	11	1370
FH 100 - 0500	500	100	11	1490
FH 120 - 0500	500	120	11	1490
FH 038 - 0560	560	38	21	1270
FH 050 - 0560	560	50	16	1210
FH 055 - 0560 FH 060 - 0560	560 560	55 60	15.2 16.5	1350 1420
FH 080 - 0560	560	80	14	1575
FH 100 - 0560	560	100	11.5	1520
FH 120 - 0560	560	120	11.5	1750
FH 045 - 0600	600	45	22	1210
FH 050 - 0600	600	50	18	1330
FH 055 - 0600	600	55	17	1390
FH 060 - 0600	600	60	17	1340
FH 100 - 0600	600	100	12	1730
FH 120 - 0600	600	120	12	1740
FH 080 - 0630	630	80	15	1580
FH 060 - 0650	650	60	17-18	1420
FH 045 - 0700	700	45	27	1570
FH 048 - 0700 FH 055 - 0700	700 700	48 55	19 18	1400 1630
FH 060 - 0700	700	60	20	1660
FH 080 - 0700	700	80	15.5	1780
FH 095 - 0700	700	95	13.3	1820
FH 100 - 0700	700	100	13.3	1880
FH 120 - 0700	700	120	12.8	1750
FH 038 - 0720	720	38	28	1790
FH 040 - 0800	800	40	28	1840
FH 048 - 0800	800	48	25	1770
FH 050 - 0800	800	50	24.8	1760
FH 055 - 0800	800	55	24.8	1810
FH 060 - 0800	800	60	22	1820
FH 080 - 0800	800	80	16	1820
FH 100 - 0800	800	100	15	1990
FH 120 - 0800 FH 060 - 0840	800 840	120 60	16 16	2410 1870
FH 080 - 0840	840	80	17.5	1950
FH 100 - 0840	840	100	15.5	2090
FH 150 - 0840	840	150	11.8	2210
FH 160 - 0840	840	160	12	2220
FH 038 - 0850	850	38	34	1980
FH 095 - 0850	850	95	14.5	2000

FH 095 - 0850 850 95 14.5 The max. current load depends on the environmental conditions \cdot The values do not apply to non-clad connectors

TYPE FH



CONTACT ENDS:

The connection ends consist of copper sleeves which are pressed on. The copper connectors can be manufactured for any desired current rating.

TYPE	Cross section	В	S	Current load as AC
FH 055 - 0900	900	55	22	2210
FH 060 - 0900	900	60	24	2280
FH 080 - 0900	900	80	20	1980
FH 120 - 0900	900	120	18	2410
FH 100 - 0980	980	100	16.5	2160
FH 055 - 1000	1000	55	18.6	2045
FH 060 - 1000	1000	60	20	2080
FH 075 - 1000	1000	75	21	2140
FH 080 - 1000	1000	80	23	2180
FH 120 - 1000	1000	120	16	2500
FH 150 - 1000	1000	150	16	2610
FH 120 - 1100	1100	120	18	2660
FH 060 - 1200	1200	60	28	2600
FH 080 - 1200	1200	80	25	2620
FH 120 - 1200	1200	120	20	2830
FH 100 - 1260	1260	100	20	2760
FH 120 - 1300	1300	120	20	2940
FH 080 - 1400	1400	80	28	3160
FH 100 - 1400	1400	100	24	3280
FH 120 - 1400	1400	120	22	3210
FH 060 - 1440	1440	60	28.6	3110
FH 080 - 1500	1500	80	29.5	3310
FH 100 - 1500	1500	100	23.5	3220
FH 120 - 1500	1500	120	24.5	3210
FH 075 - 1600	1600	75	32	3580
FH 080 - 1600	1600	80	32	3600

■ DRILL HOLES:

Supplied upon request with drilled connecting lugs.

Drill holes in accordance with DIN 43673 sheets 1 and 2 'Busbars – Drill holes and screw fittings', and/or in accordance with DIN 46206, sheet 2 'Connections for electrical operating equipment' or in accordance with drawings and data.

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TYPE	Cross section	В	S	Current load as AC
FH 120 - 1600	1600	120	22	3300
FH 160 - 1600	1600	160	22	3340
FH 100 - 1700	1700	100	22	3210
FH 120 - 1700	1700	120	22	3290
FH 080 - 1800	1800	80	35	3740
FH 120 - 1800	1800	120	28	3890
FH 100 - 1900	1900	100	29	3840
FH 100 - 2000	2000	100	30	3770
FH 120 - 2000	2000	120	30	3810
FH 150 - 2000	2000	150	30	3790
FH 120 - 2200	2200	120	32	3820
FH 120 - 2260	2260	120	33	3860
FH 120 - 2400	2400	120	35	3870
FH 200 - 2500	2500	200	27	3980
FH 120 - 3000	3000	120	40	4550
FH 150 - 3000	3000	150	40	4630
FH 160 - 3200	3200	160	41	4710
FH 120 - 3600	3600	120	43	4830
FH 150 - 3600	3600	150	46	4890
FH 150 - 4000	4000	150	50	5100
FH 120 - 4500	4500	120	60	5330
FH 150 - 4500	4500	150	42	5470
FH 120 - 5520	5520	120	75	5590
FH 120 - 6480	6480	120	80	5710
Special embodiments are available upon request.				

The max. current load depends on the environmental conditions \cdot The values do not apply to non-clad connectors

PRODUCT SUMMARY ...

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