The new **BKNA-Series**

"To make established products even better" is a motto when further developing established FTG products. Deriving from know-how and a lot of ambition for any detail, the bow terminals of the new BKNA series have been created. The optimized pressure plate which is firmly riveted to the fixing screw increases the pull-off force and prevents twisting of the terminal during installation. The robust bow terminals from FTG are favorable solutions if simple, yet highly reliable solutions are demanded.

BKNA-bow terminals

- applicable for both copper and also aluminum connections
- proof, solid and proven technology
- capacity up to 500 A
- cross sections 1.5 185 mm²
- for busbars 5 mm/10 mm (Al/Cu)



Bow terminal BKNA suitable for flat <u>copp</u>er 5 mm 16 mm² Design Clamping range 1.5 - 16 mm² 180 A | 1.000 V AC/DC l max., U max. Connection screw PZ 2 Tightening torque 3 Nm # BKNA1605 Design 35 mm² 4 - 35 mm² Clamping range 270 A | 1.000 V AC/DC l max., U max. SW 13 | PZ 3 Connection screw 6 Nm **Tightening torgue** # BKNA3505 Design 70 mm² 16 - 70 mm² Clamping range 400 A | 1.000 V AC/DC l max., U max. SW 13 | PZ 3 Connection screw 12 Nm Tightening torque # BKNA7005 Design 120 mm² 16 - 120 mm² Clamping range 440 A | 1.000 V AC/DC I max., U max. SW 17 | PZ 3 Connection screw 22 Nm Tightening torque # BKNA12005 185 mm² Design 50 - 185 mm² Clamping range 500 A | 1.000 V AC/DC I max., U max. SW 17 | PZ 3 Connection screw Tightening torque 22 Nm # BKNA18505

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Bow terminal BKNA suitable for flat copper 10 mm Design 16 mm²

nat copper 10 n	1m
Design	16 mm ²
lamping range	1.5 - 16 mm ²
max., U max.	180 A 1.000 V AC/DC
Connection screw	PZ 2
ightening torque	3 Nm
	# BKNA1610
)esign	35 mm ²
Clamping range	4 - 35 mm²
max., U max.	270 A 1.000 V AC/DC
Connection screw	SW 13 PZ 3
ightening torque	6 Nm
	# BKNA3510
)esign	70 mm ²
lamping range	16 - 70 mm ²
max., U max.	400 A 1.000 V AC/DC
connection screw	SW 13 PZ 3
ightening torque	12 Nm
	# BKNA7010
esign	120 mm ²
lamping range	16 - 120 mm ²
max., U max.	440 A 1.000 V AC/DC
connection screw	SW 17 PZ 3
ightening torque	22 Nm
	# BKNA12010
Design	185 mm ²
Clamping range	50 - 185 mm²
max., U max.	500 A 1.000 V AC/DC
connection screw	SW 17 PZ 3
ightening torque	22 Nm
	# BKNA19510

www.ftg-germany.de



Bow terminals



Steady classic

Well established classic. As one of the leading manufacturer of power busbar systems FTG offers an extensive range of well established and innovative bow terminals.

Bow terminals are a favorable alternative, if it is important to install simple yet reliable connections.

Conductors with sizes of 1.5 to 185mm² can be connected with FTG bow terminals. For flat copper of 3, 5 and 10 mm thickness there are terminals available which can be loaded up to 500 A.



Feeding the conductors can be made from top or also from below.



2. Aluminum conductors can even be connected with galvanized copper conductors by means of the BKN terminals. This becomes possible by an in-house developed special pressure plate.

3. The BKN terminal for applications with flexible lamella conductors. Especially for flexible applications, it is an interesting and solid connection.







Bow terminals BKN suitable for flat copper 3 mm Design Clamping range l max., U max. Connection screw Tightening torque



Bow terminals BKGS suitable for flat copper for busbars 3 × 10 | 5 × 5 Design Clamping range I max., U max. Connection screw **Tightening torgue**

Design Clamping range I max., U max. Connection screw Tightening torque

for busbars 3 x 12 5 x 5 Design **Clamping range** l max., U max. Connection screw

Design **Clamping range** l max., U max. Connection screw **Tightening torque**

Tightening torque

Product overview bow terminals



16 mm ²
1.5 - 16 mm ²
180 A 1.000 V AC/DC
PZ 2
3 Nm
SINIII
RKN1603
DIVITIONS

Design



	Connect
6×6mm	Tighten
6 mm ²	
1.5 - 6 mm²	Design
80 A 1.000 V AC/DC	Clampir
PZ 2	l max.,
1,5 - 2 Nm	Connect
# BKGS0603	Tighten
16 mm ²	
1.5 - 16 mm ²	Design
180 A 1.000 V AC/DC	Clampin
PZ 2	l max.,
2 – 2,5 Nm	Connect
# BKGS1603	Tighten
5 6×6mm	
35 mm ²	Design
1.5 - 35 mm ²	Clampir
270 A 1.000 V AC/DC	l max.,
PZ 2	Connect
2,5 - 3 Nm	Tighten
# BKGS3503	-
35mm ²	
1.5 - 35 mm²	
270 A 1.000 V AC/DC	

SW 5 Allen screw 2,5 - 3 Nm # BKGS3503i



Bow terminals BKS suitable for flat copper 5 mm

Design	16 mm²	
Clamping range	1.5 - 16 mm ²	
l max., U max.	180 A 1.000 V AC/DC	
Connection screw	PZ 2	
Tightening torque	3 Nm	
	# BKS1605	
Design	35 mm ²	
Clamping range	4 - 35 mm²	
l max., U max.	270 A 1.000 V AC/DC	
Connection screw	SW 13 PZ 3	
Tightening torque	6 Nm	
	# BKS3505	
Design	50 mm ²	
Clamping range	10.0 - 50 mm ²	
l max., U max.	315 A 1.000 V AC/DC	
Connection screw	SW 13 PZ 3	
Tightening torque	10 Nm	
	# BKS5005	
Design	70 mm ²	
Clamping range	16.0 - 70 mm ²	
l max., U max.	400 A 1.000 V AC/DC	
Connection screw	SW 13 PZ 3	
Tightening torque	12 Nm	
	# BKS7005	
Design	120 mm ²	
Clamping range	16.0 - 120 mm ²	
l max., U max.	440 A 1.000 V AC/DC	
Connection screw	SW 17 PZ 3	
Tightening torque	22 Nm	
	# BKS12005	
Design	185 mm²	
Clamping range	50.0 - 185 mm ²	
l max., U max.	500 A 1.000 V AC/DC	
	SW 17 PZ 3	
Connection screw	500 17 12 5	
Connection screw Tightening torque	22 Nm	



Bow terminals BKN suitable for flat copper 5 mm Design 16 mm² 1.5 - 16 mm² Clamping range 180 A | 1.000 V AC/DC l max., U max. Connection screw PZ 2 Tightening torque 3 Nm # BKN1605 Design 35 mm² Clamping range 4 - 35 mm² l max., U max. 270 A | 1.000 V AC/DC **Connection screw** PZ 3 Tightening torque 6Nm # BKN3505 Design 70 mm² 16 - 70 mm² Clamping range 400 A | 1.000 V AC/DC l max., U max. Connection screw SW 13 | PZ 3 Tightening torque 12 Nm # BKN7005 Design 120 mm² Clamping range 16 - 120 mm² l max., U max. 440 A | 1.000 V AC/DC Connection screw SW 17 | PZ 3 Tightening torque 22 Nm # BKN12005 Design 185 mm² Clamping range 50 - 185 mm² 500 A | 1.000 V AC/DC l max., U max. SW 17 | PZ 3 Connection screw Tightening torque 22 Nm # BKN18505



Bow terminals BKS suitable for flat copper 10 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
l max., U max.	180 A 1.000 V AC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKS1610
Design	35 mm ²
Clamping range	4 - 35 mm²
l max., U max.	270 A 1.000 V AC/DC
Connection screw	SW 13 PZ 3
Tightening torque	6 Nm
	# BKS3510
Design	50 mm ²
Clamping range	10.0 - 50 mm ²
l max., U max.	315 A 1.000 V AC/DC
Connection screw	SW 13 PZ 3
Tightening torque	10 Nm
	# BKS5010
Design	70 mm ²
Clamping range	16 - 70 mm²
l max., U max.	400 A 1.000 V AC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
	# BKS7010
Design	120 mm ²
Clamping range	16 - 120 mm ²
l max., U max.	440 A 1.000 V AC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS12010
Design	185 mm²
Clamping range	50 - 185 mm²
l max., U max.	500 A 1.000 V AC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS18510



Bow terminals BKN suitable for flat copper 10 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
l max., U max.	180 A 1.000 V AC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKN1610
Design	35 mm ²
Clamping range	4 - 35 mm²
l max., U max.	270 A 1.000 V AC/DC
Connection screw	PZ 3
Tightening torque	6Nm
	# BKN3510
Design	70 mm ²
Clamping range	16 - 70 mm ²
l max., U max.	400 A 1.000 V AC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
	# BKN7010
Design	120 mm ²
Clamping range	16 - 120 mm ²
l max., U max.	440 A 1.000 V AC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKN12010
Design	185 mm ²
Clamping range	50 - 185 mm ²
l max., U max.	500 A 1.000 V AC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKN18510



Accessories for bow terminals Bow terminal covers, suitable for BKS 1605, BKS 1610, BKN 1603, BKN 1605, BKN 1610 # BKC16