Bow terminals

Simple installation

Suitable for
cables and
flexible busbars

Bimetallic versions available

Bow terminals MAE-E: Mount on 5 or 10 mm copper busbars. Secure wires up to 185 mm² or 10x20 mm Moflex flexible busbars. Steel body and screw, galvanized with Zn. Stainless steel pressure spring. Hexagonal head for easy screw tightening.

- Easy installation
- Ideal for modifications
- Excellent electrical contact
- Visible tightening torque indication
- Connect aluminum to copper busbar without TIN plating
- Connect Moflex copper flexible busbar to aluminum without TIN plating or flexible busbars

Mounting	**MAE 16E**	**MAE 35E**	**MAE 50E**	**MAE 70E**	**MAE 120E**	**MAE 185E**
5 mm bar	MAE0165E15	MAE0355E15	MAE0505E15	MAE0705E15	MAE1205E15	MAE1855E15
10 mm bar	MAE0161E15	MAE0351E15	MAE0501E15	MAE0701E15	MAE1201E15	MAE1851E15
Technical data						
Cross-section Cu (mm²)	1,5 - 16	4 - 35	10 - 50	16 - 70	16 - 120	50 - 185
Flexible busbar max. width (mm)	-	9	9	9	15,5	20
Flexible busbar max. layers	-	6	6	6	10	10
Nominal voltage AC/DC (V)	1000	1000	1000	1000	1000	1000
Nominal current (A)	180	270	315	400	440	500
Width / Height / Length (mm) Cu bar (th. 5 mm) Cu bar (th. 10 mm)	 25,5 / 26,5 / 12 25,5 / 29 /12	 26,5 / 31,3 / 16,5 26,5 / 36,5 / 16,5	 26,5 / 35 / 16,5 26,5 / 40 / 16,5	 28 / 39 / 20,5 28 / 46 / 20,5	 29 / 46 / 23,5 29 / 52 / 23,5	 29 / 55 / 35 29 / 55 / 35
Screw / hexagonal key (AV)	Pz2	Pz3 / SW13	Pz3 / SW13	Pz3 / SW13	Pz3 / SW17	Pz3 / SW17
Tightening torque (Nm)	3	6	8	8	20	20
Weight (g) Cu bar (th. 5 mm) Cu bar (th. 10 mm)	 22 21	 44 45	 48 48	 62 68	 88 90	 102 96
Package (pcs)	40	20	20	10	10	10

Dimensions

Bimetal bow terminals MAE-H connect copper/ aluminum wires up to 185 mm² or 10x20mm Moflex flexible busbars. They mount on 5/10mm copper/ aluminum busbars, feature bimetal plates, and use steel screws with Zn galvanization. Spring: stainless steel; separating plate: phosphorus bronze. Hexagonal head for easy tightening (except MAE 35H).

- Quick and easy installation
- Ideal for on-site modifications
- Provides excellent electrical contact
- Visible indication of tightening torque
- Suitable for connecting aluminum cables to copper busbars or copper cables to aluminum busbars without additional TIN plating
- Suitable for connecting Moflex copper flexible busbars to aluminum busbars without additional TIN plating or flexible busbars

Mounting	**MAE 35H**	**MAE 70H**	**MAE 120H**	**MAE 185H**
5 mm bar	MAE0355H15	MAE0705H15	MAE1205H15	MAE1855H15
10 mm bar	MAE0351H15	MAE0701H15	MAE1201H15	MAE1851H15

Technical data				
Cross-section Cu, Al (mm²)	4 - 35	16 - 70	16 - 120	50 - 185
Flexible busbar max. width (mm)	9	9	15,5	20
Flexible busbar max. layers	6	6	10	10
Nominal voltage AC/DC (V)	1000	1000	1000	1000
Nominal current (A)	270	400	440	500
Width / Height / Length (mm) 5 mm bar 10 mm bar	 26,5 / 32 / 16,5 26,5 / 37 / 16,5	 27,5 / 41 / 21 27,5 / 46 / 21	 29 / 46 / 24 29 / 51 / 24	 29 / 52 / 30 29 / 56 / 30
Screw / hexagonal key (AV)	Pz2 / SW8	Pz3 / SW13	Pz3 / SW17	Pz3 / SW17
Tightening torque (Nm)	6	12	22	22
Weight (g) 5 mm bar 10 mm bar	 44 45	 62 68	 88 90	 102 102
Package (pcs)	10	10	10	10

Dimensions