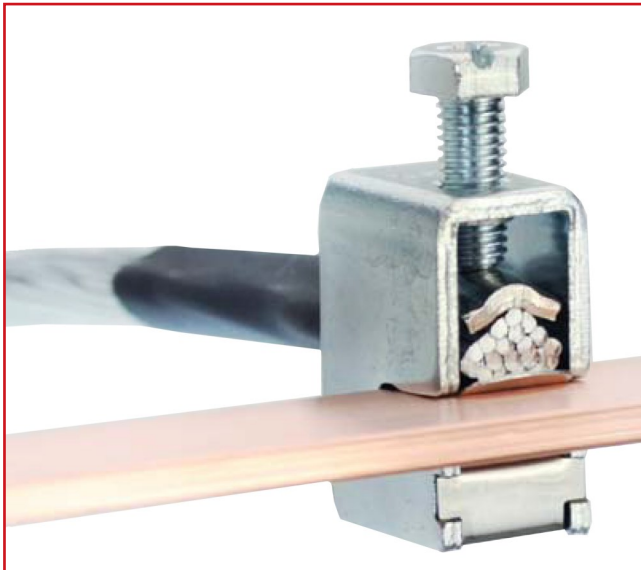


■ Alu-copper-conductor terminal 1.5 -185mm² / 5mm resp. 10mm



■ SCHRACK-INFO

- To connect copper or aluminium conductors to copper-busbar
- Suitable for 5mm resp. 10mm busbars
- Available cross sections 1.5 - 185mm²

■ Technical data

Cross sections		16mm ²	35mm ²	70mm ²	120mm ²	185mm ²
Max. Current rating		180 A	270 A	400 A	440 A	500 A
Max. Nominal voltage		1000 V AC/DC				
Regulations		EN 60999-1:2000				
		EN 60999-2:2003				
		EN 61439-1:2012				
Materials	Pressure clamp	Steel (Zn-plated)				
	Screw					
	Terminal body	Steel (Ni-plated)				
	Spring	Spring steel				
	Seperating plate	Phosphorus bronze (Sn-plated)				

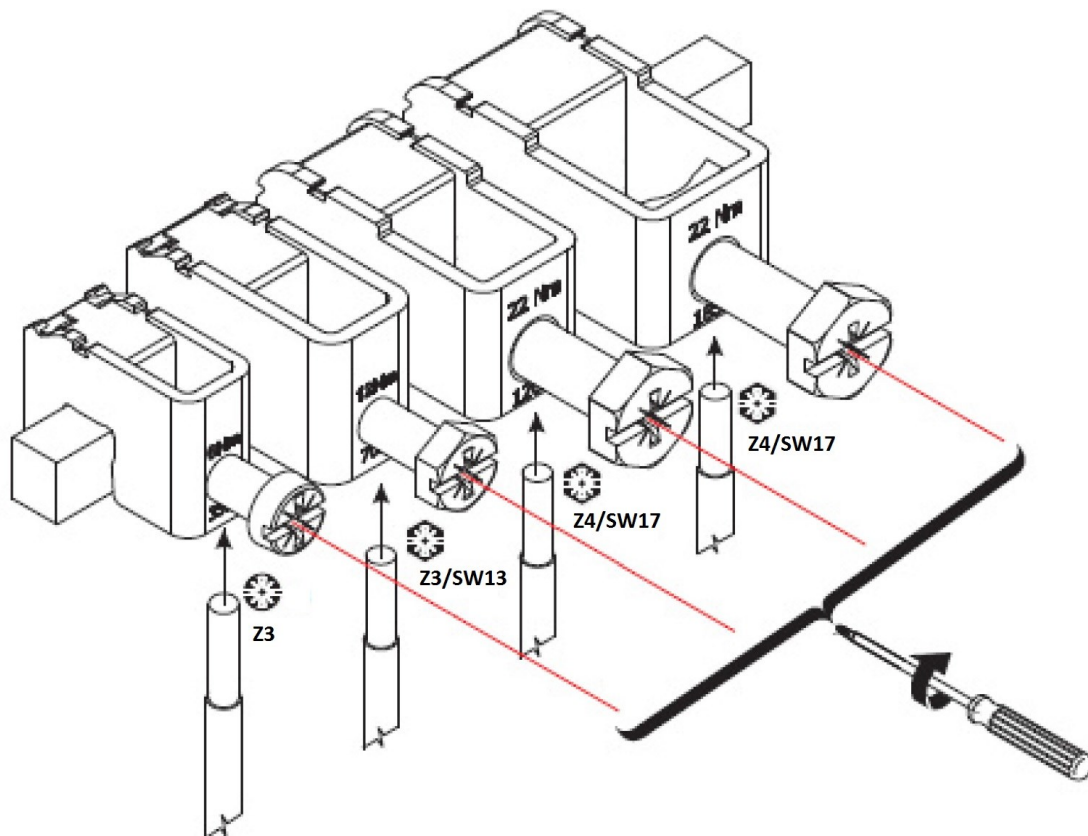
Cross sections		Min. (mm ²)	Max. (mm ²)
16mm ² for 5 resp. 10mm	single wire	1.5	16
	multi wire	1.5	16
	fine wire (with ferrule)	1.5	16
	sector wire	-	-
	torque (Nm)	3	
35mm ² for 5 resp. 10mm	single wire	4	35
	multi wire	4	35
	fine wire (with ferrule)	4	35
	sector wire	35	35
	torque (Nm)	6	
70mm ² for 5 resp. 10mm	single wire	16	70
	multi wire	16	70
	fine wire (with ferrule)	16	70
	sector wire	35	70
	torque (Nm)	12	
120mm ² for 5 resp. 10mm	single wire	16	120
	multi wire	16	120
	fine wire (with ferrule)	16	120
	sector wire	35	120
	torque (Nm)	22	
185mm ² for 5 resp. 10mm	single wire	50	185
	multi wire	50	185
	fine wire (with ferrule)	50	185
	sector wire	50	185
	torque (Nm)	22	

Assembly details

These bow terminals are suitable for AL and CU conductors on AL or CU bars. Please pay attention to the common handling guidelines when connecting the Aluminium conductors. Clean the contact surfaces and lubricate them with an appropriate grease. As precaution the connections should get retightened every 6 weeks and during lifetime regularly, according to the regulations.

Dimensions

	16mm ²	35mm ²	70mm ²	120mm ²	185mm ²
For 5mm busbar BxTxH (mm)	12 x 23.5 x 26	16.2 x 26.5 x 32	20.5 x 27.5 x 41	23.2 x 29 x 46	28.5 x 29 x 52
For 10mm busbar BxTxH (mm)	13 x 23.5 x 31	16.2 x 26.5 x 37	20.5 x 27.5 x 46	23.2 x 29 x 51	28.5 x 29 x 56



Articles

Alu-copper-conductor terminal 1.5 -185mm² / 5mm resp. 10mm

DESCRIPTION	ORDER NO.
Alu-copper-conductor terminal 1.5 -16mm ² / 5mm	IS5051605-
Alu-copper-conductor terminal 1.5 -16mm ² / 10mm	IS5051610-
Alu-copper-conductor terminal 4 -35mm ² / 5mm	IS5053505-
Alu-copper-conductor terminal 4 -35mm ² / 10mm	IS5053510-
Alu-copper-conductor terminal 16 -70mm ² / 5mm	IS5057005-
Alu-copper-conductor terminal 16 -70mm ² / 10mm	IS5057010-
Alu-copper-conductor terminal 16 -120mm ² / 5mm	IS5051205-
Alu-copper-conductor terminal 16 -120mm ² / 10mm	IS5051210-
Alu-copper-conductor terminal 50 -185mm ² / 5mm	IS5051805-
Alu-copper-conductor terminal 50 -185mm ² / 10mm	IS5051810-