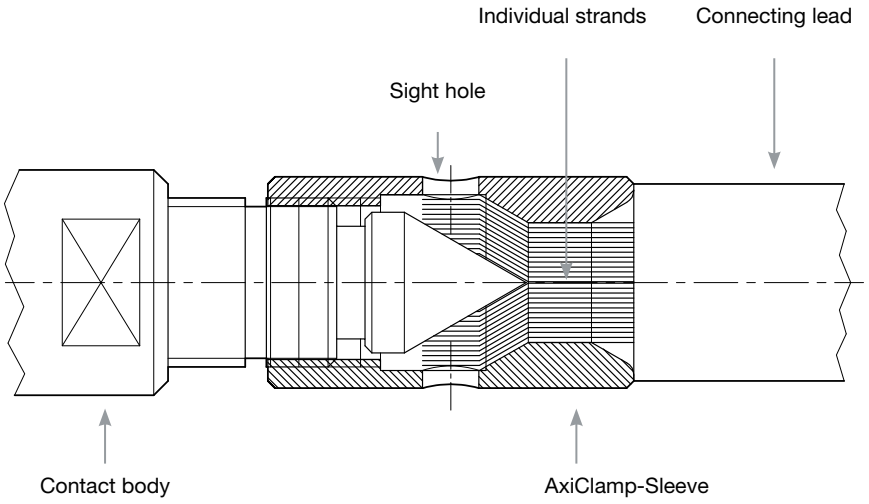
What is AxiClamp?

The patented lead termination system for electrical and mechanical termination of Cu leads 6 mm^2-300 mm^2 class 5 and class 6 according to DIN VDE 0295, IEC 60228.

The individual strands of the connecting lead are screw-clamped against a metal cone by means of a tapered threaded sleeve. The metal cone is part of the contact body. This gives a firm clamp termination with an equally good transition resistances compared to a crimp termination and additional advantages besides.



Electrical and thermal tests:
DIN EN 61238-1, Compression and mechanical connectors for power cable for rated voltages up to 30 kV (Um = 36 kV).

Mechanical tests:
DIN EN 60068-2–6, environmental tests, test Fc: vibration, sinusoidal.

Test parameter:
- g-load: 10 g
- Amplitude: 0.75 mm
- Frequency: 10 up to 500 Hz
- Time: 3 x 112 min.

Advantages of AxiClamp system

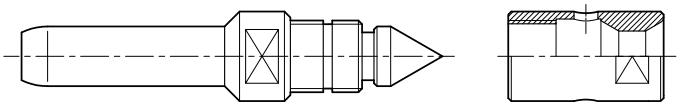
- Assembly possible with standard tools
- Reusable several times
- Compatible with different cable cross sections
- Time and cost savings

Technical data

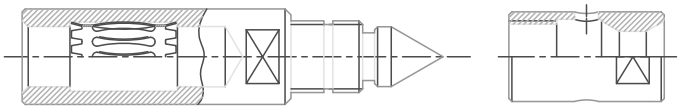
Type	for conductor cross section	Tightening torque	Stripping length	AxiClamp-Sleeve diameter		Jaw width
				inside	outside	
	mm²	Nm	mm	mm	mm	mm
...AX/6-16	6 / 10 / 16	9	13	6	12	9
...AX/25-35	25 / 35	24	15	8,5	15	12
...AX/50-70	50 / 70	45	19	12,5	20	16
...AX/95-120	95 / 120	78	26	16	26	22
...AX/150-185	150 / 185	120	32	20	32	27
...AX/240-300	240 / 300	160	34	25	38	32

Example:

Plug with AxiClamp S10-AX/25-35



Socket with AxiClamp B10-AX/25-35



Tools required:

- 1 open-ended wrench (jaw width according to above table)
- 1 torque wrench (jaw width according to above table)

Assembly instructions:

1. Strip insulation from cable end (see above table for length to be removed).
2. Screw AxiClamp sleeve onto thread as far as the front edge of the groove (A).
3. Firmly push lead into the AxiClamp sleeve until the lead insulation comes up against the AxiClamp sleeve and the individual wire strands can be seen in the sight hole.
4. Screw up the AxiClamp with the torque wrench and counter-tighten with open-ended wrench. (Recommendation: Clamp the open-ended wrench in a vice, fit the Axi-Clamp (sleeve part) with the inserted lead into the clamped wrench, and tighten with the torque wrench. (See above table for correct torque)
   Important! Keep lead pressed into sleeve while tightening.

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