

SICON CopperTop

Secure conductor material transition from aluminium to copper

With the Sicon CopperTop PFISTERER connects both the well-known SICON technology and the material transition from aluminium to copper in one cable lug. At the same time the copper/aluminium material transition is shifted to an area that easily can be covered with a heat shrink tube and can be secured against environmental impacts.

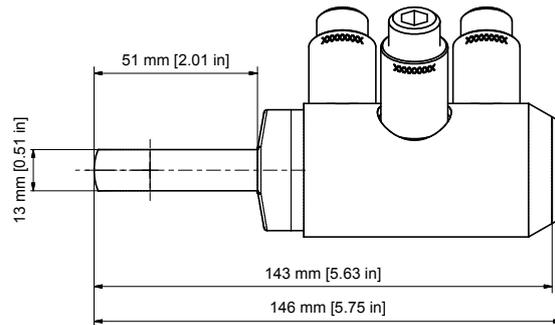
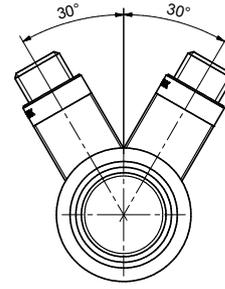
This allows for example a safe and corrosion-resistant connection to copper bus bars, especially in outdoor use. Additionally, the SICON CopperTop is an alternative for connections in elbow connectors from aluminium cable to copper connection elements.



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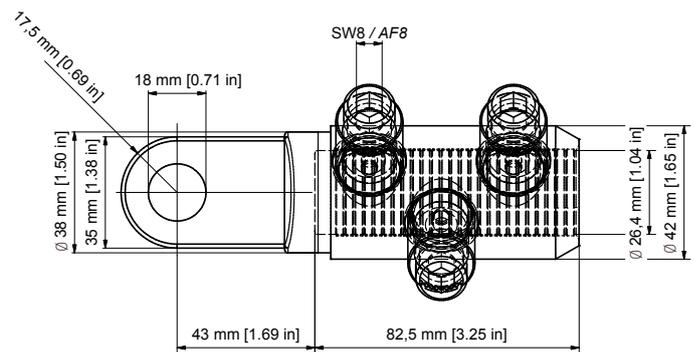
Prooven technology

Like all other SICON connectors the CopperTop can be used independently of the conductor material and type*. The special aluminium alloy allows a safe and corrosion-resistant connection of both aluminium and copper material with perfect electrical characteristics. Thanks to the patented SICON step-less shear off bolts, optimal contact force is always achieved and avoids mounting failures.



Benefits

- Al/Cu transition in the cable lug
- Safe and reliable connection of copper connection elements, especially in outdoor use
- Proven SICON technology
- Material transition easy shrinkable
- Reliable connection for all conductors
- Optimal contact force for all conductors
- No damage to individual strands
- Installation with standard tools



Conductor type	Cross section aluminium conductor		Cross section copper conductor	
	mm ² (mm)	AWG / kcmil (inch)	mm ² (mm)	AWG / kcmil (inch)
SM 120° / sector stranded 120°	185 (240 rounded)		185 (240 rounded)	
SE 120° / sector solid 120°	185 - 240			
SM 90° / sector stranded 90°	185 - 240		185 - 240	
SE 90° / sector solid 90°	185 - 240			
RE / round solid	185 - 500 (Ø 14,5-25,1)	350 - 1000 (Ø 0.59"-0.99")	185 - 500 (Ø 14,5-25,1)	350 - 1000 (Ø 0.59"-0.99")
RMV / round stranded and compressed	185 - 400 (Ø 15,3-24,6)	350 - 800 (Ø 0.65"-1.01")	185 - 400 (Ø 15,3-24,6)	350 - 800 (Ø 0.65"-1.01")
RM / round stranded	185 - 400 (Ø 17,0-26,1)	350 - 800 (Ø 0.67"-1.03")	185 - 400 (Ø 17,0-26,1)	350 - 800 (Ø 0.67"-1.03")

Qualified to: IEC 61238 / ANSI 119.4

*Class 5 Copper by special request. No Al Class 5. No Class 6.