

ALUMINIUM TO COPPER CONNECTOR SM 4.21

TECHNICAL DATA	Type	SM 4.21
	Al conductor	50 - 240 mm ²
	Cu conductor	10 - 95 mm ²
	Bolt	2xM10
	Suitable plastic cover	SP 16
	Test voltage	4 kV / 50 Hz/1min.
	Weight	320 g
	Tightening torque	44 Nm

USE Non tension aluminium to copper connections. As the upper section of the connector is divided, two copper branch conductors with different diameters can be connected to the aluminium main conductor.

CONSTRUCTION

Component	Material
Body	Corrosion resistant aluminium alloy, tensile strength 300 N/mm ²
Screw	Hot-dip galvanised steel, strength class 8.8

The lower section of the body protects the bolts against corrosion and enables the connector to be easily reopened even after years of service. The groove for aluminium conductor is pre brushed, greased and toothed to ensure reliable connection. The groove for copper conductor is equipped with tin plated copper sections which are mechanically fixed into the body and the outer junction surfaces are painted to prevent corrosion.

INSTALLATION

It is not necessary to dismantle the connector during the installation work. Brush and grease the peeled aluminium conductor. Unscrew the bolt and the place the conductors into the grooves. Tighten the bolt with articulated spanner and fork wrench to torque of 44 Nm.

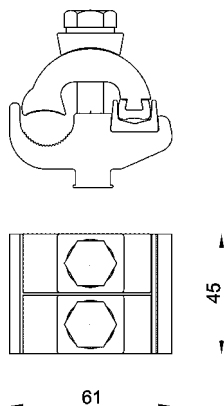
TOOLS REQUIRED

Articulated spanner ST 20
Fork wrench ST 34

MARKINGS SM 4.2
Al 50 - 240 mm²
Cu 10- 95 mm²

STANDARD SFS 2663

PACKING 25 pcs in a cardboard box. Each connector is individually packed in a plastic bag.



UTILITY NETWORKS

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