

ENSTO

SM4.21

Parallel groove connector

Code	SM4.21
GTIN	6418677403965
ENumber	
Name	Parallel groove connector Al 50-240 mm ² / Cu 10-95 mm ²
Description	SM4.21 is for 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. The connectors are brushed and prepared with joint compound, thus only the conductors need brushing and greasing. Equipped with two M10 bolts.

ERC



Technical specification

Dimensions

Weight:	0.33 kg
Conductor diameter mm:	8.6-20 / 3.5-12.5
Main conductor mm ² :	Al 50-240
Branch conductor mm ² :	Cu 10-95

Electrical values

Test voltage with cover:	4 kV / 50 Hz / 1 min
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Features

Bolt:	2xM10
Plastic cover:	SP16

Mechanical

Tightening torque:	44 Nm
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Certificates

Standards: IEC 61238-1

Ratings

ETIM class: EC001062

Specification

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: 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.

Construction:

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

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 or ratchet wrench CT 164 or torque wrench ST 30 with socket ST 12, fork wrench ST 34

Markings: Ensto, SM 4.2, Al 50 - 240 mm², Cu 10- 95 mm²

ETIM

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Surface protection: Tinned

Material main conductor: Aluminium/copper

Material branch conductor: Aluminium/copper

Clamping channel opening main conductor: Both sides open

Clamping channel opening branch conductor: Both sides open

Type of connection: Screwed connection

Packaging

Packaging

Default package

Size:	25
Length:	220 mm
Width:	220 mm
Height:	125 mm
Weight (net):	8.15 kg
Weight (brt):	8.328 kg
Volume:	0.0061

Pallet package

Size:	2625
Length:	1200 mm
Width:	800 mm
Height:	890 mm
Weight (net):	855.75 kg
Weight (brt):	876 kg
Volume:	0.8544