



Saves Your Energy

PRODUCT CARD

9/9/16

SM2.11

Parallel groove connector

Code	SM2.11
GTIN	6418677403903
Name	Parallel groove connector Al 16-95 mm ² / Cu 2.5-25 mm ²
Description	SM2.11 is for non tension aluminium to copper connections. The connectors are brushed and prepared with joint compound, thus only the conductors need brushing and greasing. Equipped with one M8 bolt.



Technical specification

Dimensions

Weight:	0.08 kg
Conductor diameter mm:	4.6-10 / 2.3-6.5
Main conductor mm ² :	Al 16-95
Branch conductor mm ² :	Cu 2.5-25

Electrical values

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

Bolt:	M8
Plastic cover:	SP15

Mechanical

Tightening torque:	20 Nm
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Certificates

Standards:	IEC 61238-1
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Ratings

ETIM class:	EC001062
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Specification

Construction:

The lower section of the body protects the bolt against corrosion and enables the connector to be easily reopened even after years of service. The groove for aluminium conductor is 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 20 Nm.

Tools required:

Articulated spanner ST 20 or ratchet wrench CT 164 or torque wrench ST30 with socket ST 13, fork wrench ST 34.

Markings:

Ensto, SM 2.1, Al 16 - 95 mm², Cu 2,5 - 25 mm²

ETIM

ETIM

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

Default package

Size: 100
Length: 385 mm
Width: 260 mm
Height: 139 mm
Weight (net): 8.4 kg
Weight (brt): 8.547 kg
Volume: 0.013

Pallet package

Size:	6300
Length:	1200 mm
Width:	800 mm
Height:	1050 mm
Weight (net):	529.2 kg
Weight (brt):	549.2 kg
Volume:	1.008