

Manufacturer:

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High-reliability lightning protection and grounding systems

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Ridge guide holder KD-1.1-100-115GTs



KD-1.1-100-115GTs is used as part of grounding, lightning protection and potential equalization systems. Designed for fastening (parallel and perpendicular connection) of round clamped conductors (down conductors) to the ridge of the roof of buildings and structures, including roofing such as: soft roof, corrugated board, metal, sandwich panel made of combustible and non-combustible materials. Hot-zinc coated steel in accordance with GOST 9.307-89, stainless steel fasteners.

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Country of origin: Russia;

Scope: as a part of lightning protection and potential equalization systems for fastening and connecting round conductors (lightning protection down conductors);

Method of connecting conductors (lightning protection down conductors): parallel, perpendicular or at any angle;

Method of fastening the product to the supporting base: by standard fasteners according to the technical solutions (attachment points) of the manufacturer;

The height of the base of lightning protection conductors (current collectors) above the surface is adjustable, mm: bottom - 80-100 mm;

Roof ridge angle: 110-115-120 degrees;

Center-to-center distance between the holes of the holder bracket, mm: 54;

Mounting holes diameter, mm: 8.2;

The size of the platform for fastening the bracket of the holder, mm: 70x30;

Permissible material of the clamped conductors: galvanized steel, aluminum; connection with conductors made of materials forming galvanic pairs is not allowed;

Permissible size of connected round conductors (lightning protection down conductors), mm: 8-10;

Completeness of the product (delivered assembled): half-case 38x38x10 mm (terminal K1, drawing AELI.341499.104.01.1) - 2 pcs., Bracket - 1 pc., Bracket 70x30x20 mm (drawing AELI.341499.108-01.1) - 2 pcs., plate 70x30x2 mm (drawing AELI.341499.108-03.1) - 2 pcs., standard fasteners made of stainless steel: bolt M10x110 - 1 pcs., bolt M10x25 - 2 pcs., nut M10 - 5 pcs., washer-grover 10 - 4 pcs., bolt M8x25 - 4 pcs., nut M8 - 4 pcs., washer-grover 8 - 4 pcs.;

Material of standard fasteners: stainless steel A2 or A4 (corresponds to steel grades AISI 304 or AISI 316, respectively, steel grade A4 is set at the request of the Customer) according to GOST ISO 3506-1—2014;

Clamp body, clamp and plate material: hot-zinc coated steel in accordance with GOST 9.307-89;

Average metal thickness of the clamping half body, taking into account the thickness of the hot zinc coating, mm: 2.6;

Average metal thickness of the holder bracket, taking into account the thickness of the hot zinc coating, mm: 3.1;

Average thickness of the hot zinc coating of the half-body of the clamp and the staple, microns: 55-65 (the thickness of the zinc coating is 40-200 microns according to GOST 9.307-89);

The maximum permissible short-term heating temperature of the clamp body when the lightning current flows through the conductor fixed in the clamp (lightning protection down conductor), degrees C: not higher than 419 (at temperatures above 419 degrees C, a part of zinc may melt and drain from the clip body);

Operating conditions: UHL4, for outdoor use (the effect of a combination of climatic factors typical for a given macroclimatic region). By agreement with the manufacturer, it is allowed to operate in macroclimatic regions and (or) locations different from those for which the products are intended;

Warranty period of operation: 12 months from the date of sale by the manufacturer;

Service life: depends on the actual thickness of the coating of the product parts with hot zinc, the ambient atmospheric environment, its parameters and operating conditions (according to GOST ISO 9223-2017, ISO 12944-2: 2017 (E));

Overall dimensions, mm: 270x70x200;

Net weight, kg: 0.730.

