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High-reliability lightning protection and grounding systems

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Roofing conductor holder DPK-85GTS



DPK-85GTS 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 horizontal and vertical surfaces of buildings and structures, including roofing such as: soft roof, corrugated board, metal, sandwich panel. Hot-zinc coated steel in accordance with GOST 9.307-89.

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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;

Height of conductor mounting above the surface - adjustable, mm: 45-85 (bottom), 50-90 (top);

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: 78x30;

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

Permissible diameter 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 78x30x22 mm (drawing AELI.341499.329-1) - 1 pc., Standard fasteners made of stainless steel : M10x90 bolt - 1 pc., M10 nut - 3 pcs., Grover washer 10 - 2 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 and bracket 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 coating with hot zinc, mm: 3.1 (on request, delivery with a bracket 70x30x22 mm (drawing AELI.341499.108-01.1) with a center distance 54 mm and a thickness of 2.1 mm or with a bracket 93x35x25 (drawing AELI.341499.319.1) with a center distance of 68 mm and a thickness of 3.1 mm);

Average thickness of the hot zinc coating on the half-body of the clamp and staple, microns: 55-70 (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: 38x78x110;

Net weight, kg: 0.22;

Installation instructions: To install the clamp, use the manufacturer's technical solutions (attachment points) and project documentation. Required area for fastening the holder: 78x30 mm. To waterproof the attachment point, use butyl rubber sealant or sealant tape 50x3 mm. Fasten with standard fasteners according to the manufacturer's instructions. To install the down conductors, loosen the fasteners of the clamp, install 2 round down conductors parallel or perpendicular (or at any angle) relative to each other and tighten the.

