

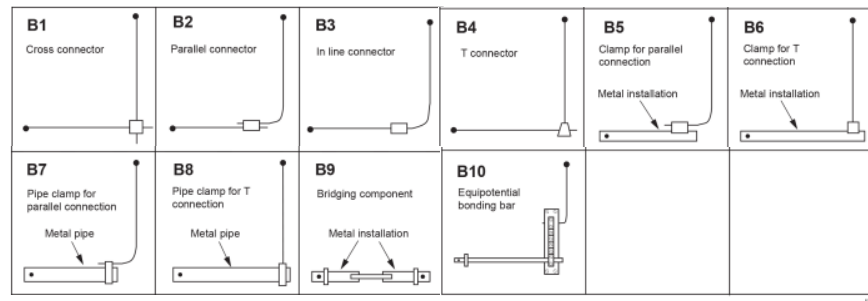
This checklist is used to check documentation and marking in accordance with the standard IEC 62561-1, for metal connecting components that form part of a lightning protection system. Typically, these are: connectors, clamps, bonding and bridging components, expansion pieces and measuring points with brazed, welded, clamped, crimped, seamed, screwed, bolted or exothermic connections.

To comply with the standard, all points on this checklist must be fulfilled.

Documentation and Instructions

	Minimum content	Information (example)	<input checked="" type="checkbox"/>
5.2	Connection components shall be designed in such a manner that, when they are installed in accordance with the manufacturer's instructions, their performance shall be reliable, stable and safe to persons and surrounding equipment.		<input type="checkbox"/>
a)	Lightning current [I_{imp}]	Class N for normal duty: 50 kA; Class H for heavy duty: 100 kA;	<input type="checkbox"/>
b)	Installation location	Outdoors / indoors / buried in ground / embedded in concrete / embedded in materials with thermal insulation	<input type="checkbox"/>
c)	mechanical behavior of connection components	Intended to withstand a static mechanical stress; Not intended to withstand a static mechanical stress; (if yes, it's necessary to carry out a mechanical test)	<input type="checkbox"/>
d)	connection type	Permanent / non-permanent	<input type="checkbox"/>
e)	range of conductor sizes and materials	Conductor size, - material, and real – cross-section	<input type="checkbox"/>
f)	Connection arrangements	See image ¹	<input type="checkbox"/>
g)	Assembly instructions for connection components	(special tools necessary? Tightening torques, etc.)	<input type="checkbox"/>

¹ Image to f)



	Marking	
5.3	All products have to be marked at least with the following:	
a)	Manufacturer's or responsible vendors's name or trademark	<input type="checkbox"/>
b)	Identifying symbol (picture, product number, etc.)	<input type="checkbox"/>
c)	Classification, i. e. class N or H	<input type="checkbox"/>
d)	Classification according to the installation location	<input type="checkbox"/>
	<ul style="list-style-type: none"> Where this proves to be impractical the marking in accordance with b), c) and d) may be given on the smallest packing unit label or on the accompanying documentation. Marking can be applied for example by moulding, pressing, engraving, printing and environmental stress adhesive labels. Marking can be applied by water slide transfers only for components classified as indoors. The marking shall be durable and legible. 	