

LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

**Contraction – expansion absorbing component
Part number ELEMKO : 64 02 300**

Description

Contraction – expansion absorbing component, made out of hot dip galvanized steel (St/tZn). The component is intended for applications in lightning protection systems (LPS) and is installed at 20m intervals of straight conductor or at crossing of conductors to compensate for the contraction – expansion of conductors caused by temperature changes. The connection to the conductors is achieved by two double bonding clamps (not included).

Technical data – Installation instructions

Arrangements	➤ Parallel connection (B2)
Installation	➤ Outdoor
Can be connected with	➤ Al, Stainless Steel, St/tZn
Coating material	➤ Zinc
Coating thickness	➤ >500 g/m ²
Type of coating method	➤ Hot dip
Lightning current withstand capability	➤ CLASS H – 100kA (10/350µs) ➤ 50 Coulomb ➤ 2.5 MJoule / Ohm

The above component has successfully passed the tests required by standard EN 62561-1 "Lightning protection system components (LPSC) – Part 1 : Requirements for connection components". The tests were performed at ELEMKO high voltage and high current testing laboratory.
Test report number : **31237-II**

Photograph

