

# Product Declaration

## Subject: LS..N insulation distances

**Concerned product types:** LS04...200N 3-pole contactors and LS04...18N 4-pole contactors

We, ABB Xinhui Low Voltage Switchgear Co. Ltd., declare under our sole responsibility that the following 3-pole and 4-pole 4 N.O. main poles contactors are compliant to the relevant product standard IEC60947-4-1 Ed5.0 2023 - Low-voltage switchgear and control gear, Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters:

3-pole contactors	4-pole contactors	
LS04N-30-10-xx LS04N-30-01-xx LS05N-30-10-xx LS05N-30-01-xx LS07N-30-10xx LS07N-30-01-xx LS11N-30-00-xx LS15N-30-00-xx LS18N-30-00-xx	LS04N-40-00-xx LS07N-40-00-xx LS18N-40-00-xx	<i>U<sub>e</sub> = 690 V with coil voltage codes xx = AD, AJ, AN</i>
LS55N-30-11-xx LS75N-30-11-xx	-	<i>U<sub>e</sub> = 690 V with coil voltage codes xx = AD, AJ, AN</i>
LS90N-30-11-xx LS110N-30-11-xx	-	<i>U<sub>e</sub> = 690 V with coil voltage codes xx = AJ, AN</i>

These 3 and 4-pole contactors satisfy both below requirements as defined for the interface device (DDI – dispositivo di interfaccia) by CEI 0-16 V5 and CEI 0-21 V3 standards:

- when N.O. main poles are open, the minimum air insulation distances between the contacts (upstream/downstream) are the following:
  - 230 / 400 V AC: 4 mm
  - 400 / 690 V AC: 8 mm

*Note: The contactors are not dedicated devices suitable for isolation.*

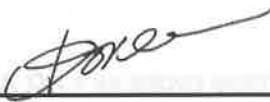
- the use of mirror contact is recommended (not mandatory):
  - LS04N ... LS07N-30-01-.. 3-pole contactors include a built-in N.C. auxiliary contact, defined as mirror contacts according to annex F of IEC 60947-4-1.
  - LS04N ... LS18N 3-pole or 4-pole contactors can be equipped with additional auxiliary contact blocks (1-pole H04N-F-01, 2-pole H04N-L-11), including N.C. auxiliary contacts defined as mirror contacts according to annex F of IEC 60947-4-1.

- LS55N ... LS110N-30-11-.. 3-pole contactors include add-on N.C. auxiliary contact defined as mirror contacts according to annex F of IEC 60947-4-1.
- LS55N ... LS75N-30-11-.. 3-pole contactors can be equipped with additional auxiliary contact blocks (2-pole H06N-L-11), including N.C. auxiliary contacts defined as mirror contacts according to annex F of IEC 60947-4-1.
- LS90N ... LS110N-30-11-.. 3-pole contactors can be equipped with additional auxiliary contact blocks (2-pole H06N-L-11, 2-pole H06N-L-11B), including N.C. auxiliary contacts defined as mirror contacts according to annex F of IEC 60947-4-1.

This declaration is valid for a maximum of two years after the signature date below. A change of design in future could make this statement invalid.

All former declarations issued by us before the date of this declaration are to be considered null and void and have no further validity.

Xinhui China 2026-01-30



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