Page 1 (2)

SEMI-F47-0200

VERIFICATION

by ETL SEMKO

EQUIPMENT

Type of equipment:

Contactor.

Type / model:

AF75-30-11.

AF50-30-11. AF63-30-11.

Manufacturer

ABB Control s.a.

F-69685 Chassieu cedex, France.

Test voltage

110 V, 60 Hz.

Rating:

48 – 130 V, 50/60 Hz.

Test valid for:

110 V, 50/60 Hz 120 V, 60 Hz.

Rating:

100 - 250 V, 50/60 Hz.

Test valid for

220 V, 50 Hz.

120 V, 208 V and 240 V, 60 Hz.

By request of:

ABB Automation Technology Products AB

S-721 61 Västerås

SUMMARY

The equipment complies with the requirements specified in SEMI-F47-0200, Specification for semiconductor processing equipment. Voltage sag immunity.

Date of issue: 2001-12-20

Issued by:

MApproved by:

Hans Kohlén

Henric Larsson



References

Tested type: AF75-30-11, 48-130 V AC.

Test method: SEMI F42-0999

Test method for semiconductor processing equipment

Voltage sag immunity

Test levels: 55 V for 200 ms. (down to) 77 V for 500 ms.

88 V for 1 000 ms.

Voltage dip starts at 0° and 90°.

Alternative types with identical

coils

AF50-30-11. AF63-30-11.

Brand name: ABB,

Manufacturer ABB Control s.a.

F-69685 Chassieu cedex, France.

Test equipment Pacific power AMXT 3120 with UPC 32.

Performance verification Constant 24 V AC-voltage at contactor main poles.

Any increase of voltage across contactor indicates loss of contact Identical performance for different nominal voltages verified for

AF 185-30-11.

Verification equipment Oscilloscope TEK TDS 540

Assessment criteria

This test report covers alternative types deemed to have the characteristics as the tested type. According to the manufacturer, the alternative types are identical to the tested type except for the following differences: Different current ratings of the main poles.

The differences are considered not to imply different characteristics compared to the tested type, since they use the same coil. Therefore, these types are not tested, but considered to have the same characteristics as the tested type regarding voltage sags.

