

SAFETY REPORT – COMMISSIONING

Competitor

Name, Country code /

Booth No.:

1. VISUAL INSPECTION:

The visual inspection includes:

☐ Control box 1 ☐ Control box 2 ☐ Protective earth terminal ☐ Plant installation

2. MEASUREMENT:

2.1 LOW IMPEDANCE TESTING:

Preparation for testing: _____

Control box 1:

CEE- plug/PE	---	-X ₁ /PE	..... Ω
CEE- plug/PE	---	-X ₂ /PE	..... Ω
CEE- plug/PE	---	panel	..... Ω
CEE- plug/PE	---	side wall	..... Ω
CEE- plug/PE	---	door	..... Ω
CEE- plug/PE	---	-X ₄	..... Ω
CEE- plug/PE	---	S7-rack	..... Ω

Control box 2:

CEE- plug/PE	---	panel	..... Ω
CEE- plug/PE	---	side wall	..... Ω
CEE- plug/PE	---	door	..... Ω
CEE- plug/PE	---	-X ₄	..... Ω
CEE- plug/PE	---	-A ₁ /PE CPU-rack	..... Ω
CEE- plug/PE	---	-T ₁ Metal frame (VSD)	..... Ω
CEE- plug/PE	---	-T ₂ /PE	..... Ω
CEE- plug/PE	---	-A ₄ /PE (HMI)	..... Ω

Wall Installation:

CEE- plug/PE	---	metal cable tray right side	..... Ω
CEE- plug/PE	---	metal cable tray left side up	..... Ω
CEE- plug/PE	---	vertical ladder	..... Ω
CEE- plug/PE	---	Motor MA1	..... Ω
CEE- plug/PE	---	Motor MA2	..... Ω

Values corresponds the wire lengths and to connection resistances. -----(Y/N)

2.2. ISOLATION MEASUREMENT:

BEFORE THE INSULATION TEST , DISCONNECT PLC PSU's, VSD's AND IO-LINK CONTACTOR PARTS PHASE AND NEUTRAL WIRES !

Main circuit X1 (1,2,3,4,5) – -Q1: (write the lowest value)

-X1/PE	---	L1, L2, L3, N	..... $M\Omega$
-X1/L1, L2, L3, N	---	L1, L2, L3, N	..... $M\Omega$

Main circuit MOTOR 1 (L1,L2,L3,PE)

-W8/PE	---	L1, L2, L3,	..... $M\Omega$
-W8/L1, L2, L3,	---	L1, L2, L3, $M\Omega$

Main circuit MOTOR 2 (L1,L2,L3,PE)

-X6/PE	---	L1, L2, L3, $M\Omega$
-X6/L1, L2, L3,	---	L1, L2, L3,N $M\Omega$

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Allowed only in the presence of an expert !!!

2.3. TESTING: RESIDUAL CURRENT DEVICE (RCD):

☐ function OK

☐ function not OK

2.4. VOLTAGE MEASUREMENT:

L1-X1	---	PE-X1	..... V
L2-X1	---	PE-X1	..... V
L3-X1	---	PE-X1	..... V
L1-X1	---	L2-X1	..... V
L1-X1	---	L3-X1	..... V
L2-X1	---	L3-X1	..... V

2.5. ROTATIONAL FIELD MEASUREMENT – X1:

☐ Rotating field is left-handed (CCW)

☐ Rotating field is right-handed (CW)

2.6. EMERGENCY STOP FUNCTION:

☐ OK

☐ not OK

For the accuracy

Signature by Competitor

Signature by Expert

C.C.

Signature by Expert

C.C.

Date: _____

Signature by Expert

C.C.