Test Project

Safety report

Industrial Control

Submitted by:

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Thomas Hans – Nestlé, Independent Test Project Validator

Name.: ……..

Date.: …… Booth No / Country Code.: ……/……

1. Visual Inspection (mark with ☒ if it's OK)

STATUS	LOCATION	DESCRIPTION
☐	Control Box	Complete, all ducts are closed, all equipment is identified inside and outside, all cables are identified and properly installed, and no electrical installation risks were identified.
☐	Wall Installation	Complete, all cables are identified and properly installed, all devices and housings are fixed, all equipment is identified, cables on the route and secured, and no electrical installation risks were identified.
☐	Earthing/grounding connections	All metal parts are connected, including the control box (mounting plate/side wall/door) ladder and cable tray, and all other metal parts required according to the Test Project.
☐	Power Supply OFF	The power plug (-X0) is disconnected/OFF, and all protection devices and power switches are OFF.

2. Earth continuity resistance (mark with ☒ if it's OK)

2.1 PREPARATION FOR TESTING	TOLERANCE
Measured test lead resistance	…….. Ω

2.2 CONTROL BOX			
LOCATION	STATUS (≤ 0.5 + TOL. Ω)	LOCATION	STATUS (≤ 0.5 + TOL. Ω)
-X0/PE → -X1/PE	☐	-X0/PE → -A1/PE	☐
-X0/PE → -XPE5/PE	☐	-X0/PE → -A2/PE	☐
-X0/PE → Mounting plate	☐	-X0/PE → -A5/PE	☐
-X0/PE → Side wall	☐	-X0/PE → -A20/PE	☐
-X0/PE → Door	☐	-X0/PE → -A21/PE	☐

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2.3 WALL INSTALLATION					
LOCATION	**STATUS (≤ 0.5 + TOL. Ω)**		**LOCATION**	**STATUS (≤ 0.5 + TOL. Ω)**	
-X0/PE → -XPE1/PE	☐		-X0/PE → -MTR-101 frame	☐	
-X0/PE → -XPE2/PE	☐		-X0/PE → -MTR-102 frame	☐	
-X0/PE → -XPE3/PE	☐		-X0/PE → -MTR-103 frame	☐	
-X0/PE → -XPE4/PE	☐			☐	
-X0/PE → -A24/PE	☐			☐	

Allowed only in the presence of an Expert group:

Competitors must wear safety glasses, long sleeves, and gloves during testing and voltage testing

3. Power and Commissioning (mark with ☒ if it's OK)

3.1 TESTING RCD	FUNCTION OK
Testing: Residual Current Device (RCD) by Test Button → is it working**?**	☐

3.2 FIRST INSTRUCTIONS	DONE
All protection devices and power switches are OFF Plug in Power Socket Turn Power ON in the distribution cabinet	☐

3.3 VOLTAGE MEASUREMENT (X1)					
LOCATION	**400V ±10%**		**LOCATION**	**230V ±10%**	
-X1/1 → -X1/2	☐		-X1/1 → -X1/4	☐	
-X1/2 → -X1/3	☐		-X1/2 → -X1/4	☐	
-X1/1 → -X1/3	☐		-X1/3 → -X1/4	☐	

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3.4 SECOND INSTRUCTIONS	DONE
Switch ON: -Q1	☐

3.5 VOLTAGE MEASUREMENT CIRCUIT BREAKERS (-F1, -F4, -F5)			
LOCATION	400V ±10%	LOCATION	230V ±10%
-F1/1 → -F1/3	☐	-F1/1 → -F1/N	☐
-F1/1 → -F1/5	☐	-F1/3 → -F1/N	☐
-F1/3 → -F1/5	☐	-F1/5 → -F1/N	☐
		-F4/1 → -F4/3	☐
		-F5/1 → -F5/3	☐

3.6 THIRD INSTRUCTIONS	DONE
Switch ON: -F1, -QF1, -F2, -F3, -F4 and -F5	☐

3.7 SELECTIVITY MODULE 24VDC TESTING POWER SUPPLY	FUNCTION OK
Turn ON/OFF Selectivity module CH1 (- A6) → -A8 is ON/OFF**?**	☐

3.8 EMERGENCY STOP FUNCTION TESTING POWER SUPPLY	FUNCTION OK
Press -S1 → Emergency relay (-A8) is ON**? and** -Q2 and -Q3 is ON**?**	☐
Press -S0 → Emergency relay (-A8) is OFF**? and** -Q2 and -Q3 is OFF**?**	☐
Reset -S0 and Press -S1 → Emergency relay (-A8) is ON**? and** -Q2 and -Q3 is ON**?**	☐

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☐ I confirm that I have completed this Safety Report accurately and agree with the information provided.

.....
Competitor Signature

.....	.....
Expert Signature	CC
.....	.....
Expert Signature	CC
.....	.....
Expert Signature	CC

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