

CORTEM GULF FZCO

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Member of

CORTEM
GROUP

To be sure to be safe.

FM 12-04 REV.2

INTERNAL TEST REPORT

IMPORTANT NOTE : THIS FORM SHOULD BE DONE PER EACH LINE ITEM QUANTITY

JOB NUMBER : 3844 (PO No: ENP-CORTEM-2024-PO-200)

ITEM NUMBER : 1 (CTB484820S1)

CORTEM GULF S/N : CGFZ SN:24/3844.1.1 & 24/3844.1.2

FULL P.O. QUANTITY : YES NO

LOT NUMBER : 1 TEST DATE: 22/01/2025

QTY TO BE INSPECTED : 2

INSPECTION RESULT : OK NOT OK

DESCRIPTION OF CHECK AND TESTS

1. Compliance with drawings and/or data sheet :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
2. Dimensional check :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
3. Check of quantity :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
4. Check of machining tolerance of Explosion Proof joints :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
5. Check of threads (QTY as per drilling drawings) :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
6. Check of painting and other surface treatment :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
7. Check of correct installation of components :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
8. Visual check of IP protection degree :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
9. Check of certificate nameplate and part number :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
10. Check of TAG nameplates :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
11. Dielectric test (details in TAB.1) :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
12. Electrical performance :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
13. Insulation resistance (details in TAB.1) :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
14. Test of mechanical operation (handles, interlocks) :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>
15. Photo taken (during FAT) :	OK <input checked="" type="checkbox"/>	N.A. <input type="checkbox"/>

TAB.1 - DIELECTRIC AND INSULATION RESISTANCE TESTS DETAILS

DIELECTRIC TEST FOR POWER CIRCUIT		DIELECTRIC TEST FOR AUXILIARY CIRCUIT	
Rated insulation voltage (Ui)	Dielectric test voltage (AC)	Rated insulation voltage (Ui)	Dielectric test voltage (AC)
Ui < 60	1000	Ui < 12	250
60 < Ui < 300	1500	12 < Ui < 60	500
300 < Ui < 690	1890 ✓	Ui > 60	2xUi + 1000
690 < Ui < 800	2000		
800 < Ui < 1000	2200		

LEAKAGE CURRENT [mA] 0.63mA,

INSULATION RESISTANCE TEST	
Rated insulation voltage (Ui)	Dielectric test voltage (DC)
Ui < 1000	500

VALUE RECORDED [MΩ] > 550 MΩ

REMARKS: _____

Checked by :

QA/QC Inspector

Approved to be released by :

Quality Control Manager

