

Ex equipment and cable gland installation - JSA - A

en-SG · Basic task controls · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area			Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Match approval							
HP-2 Isolate and support							
HP-3 Fit cable entry							
HP-4 Inspect and close							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Identify location	1. Ignition exposure 2. Wrong equipment 3. Overtemperature	1. Class misunderstood 2. Tag mismatch 3. Ambient ignored	1. Match area and marking 2. Verify equipment tag 3. Check thermal limits	1. Area classification 2. Tag and drawing 3. Approval conditions				
2. Match approval	1. Ignition source 2. Wrong gas group 3. Hot surface	1. Mark alone assumed sufficient 2. Substance mismatch 3. Temperature unchecked	1. Check certification and local design 2. Match actual substance 3. Review temperature rating	1. Certificate and design match 2. Substance and group 3. Temperature and ambient				
3. Isolate and support	1. Shock or arc 2. Atmosphere ignition 3. Equipment drop	1. Residual feed 2. Unsafe atmosphere 3. Poor support	1. Verify electrical isolation 2. Maintain area controls 3. Use specified support	1. All feeds and testing 2. Atmosphere status 3. Support and fasteners				
4. Fit cable entry	1. Seal failure 2. Cable pullout 3. Protection lost	1. Diameter outside range 2. Wrong thread or seal 3. Armour mishandled	1. Match measured cable 2. Use approved components 3. Verify armour and grip	1. Cable dimensions 2. Entry and seal match 3. Cable restraint				
5. Inspect and close	1. Ignition during use 2. Loose closure 3. Water ingress	1. Bolts missing 2. Wrong assembly force 3. Inspection skipped	1. Inspect before closure 2. Follow specified fastening 3. Check complete entry	1. Gasket and wiring 2. Bolts and closure 3. Entry inspection				
6. Handover system	1. Open entry 2. Cable displacement 3. Held item energised	1. Blank not checked 2. Support unchecked 3. Restriction missing	1. Check every entry 2. Verify support and bond 3. Mark unresolved items	1. Final closure 2. Support and bonding 3. Energisation restrictions				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Area classification	☐ Certificate and design match	☐ All feeds and testing
☐ Cable dimensions	☐ Gasket and wiring	☐ Final closure
☐ Approval conditions	☐ Cable restraint	☐ Energisation restrictions