

Assembly Instructions for junction box type: FMEJB Industrial

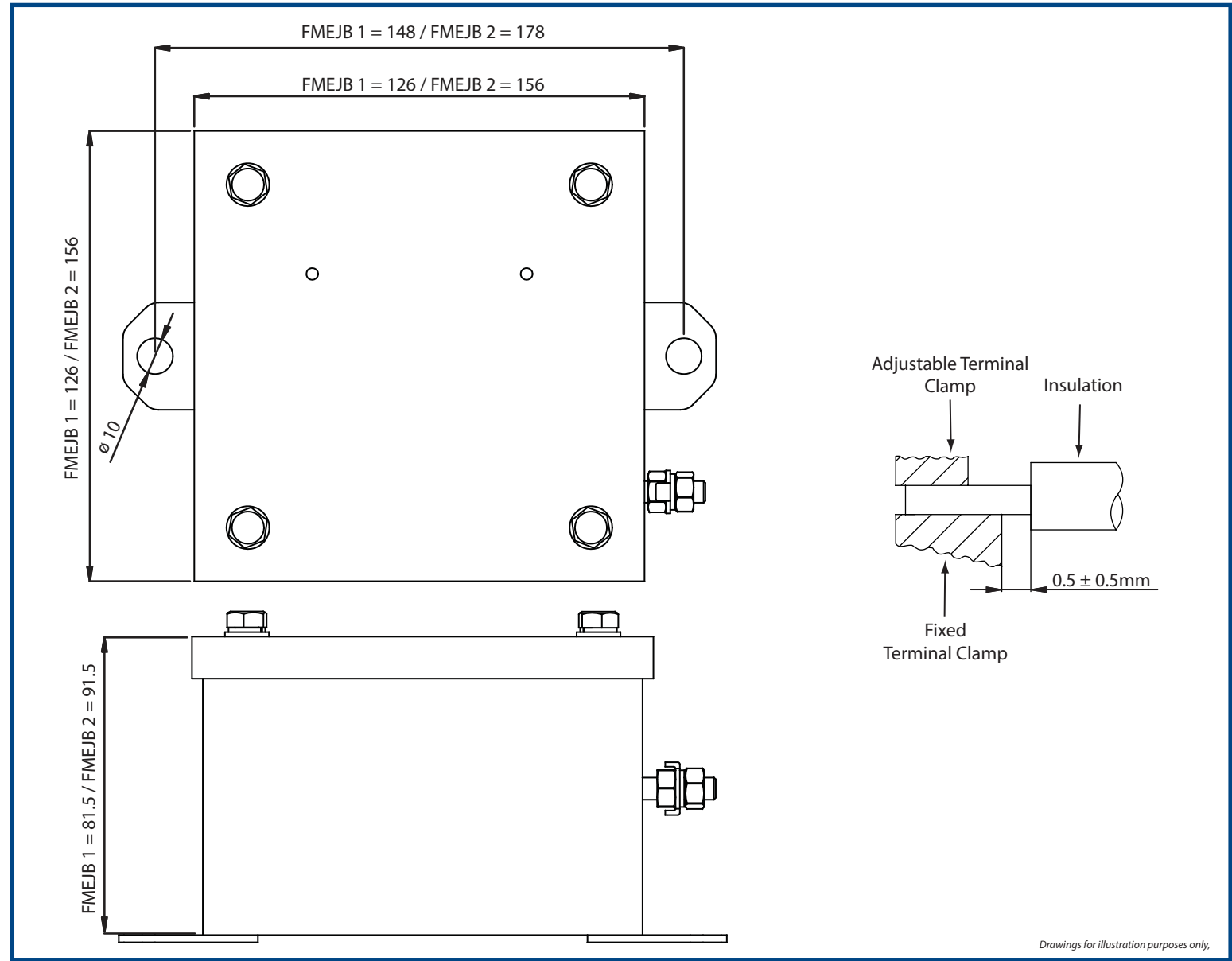
AI 297 / Issue A - 06/17

Certification Details

Box Type: FMEJB Industrial Gland
Certified to Hawke Approved Drawings Only

IMPORTANT: This document should be read carefully before commencing installation

Service Temperature: -60°C to +80°C
Minimum Installation Temperature: -5°C



Drawings for illustration purposes only.

TO OPEN THE LID:

1. Disconnect power (isolate all circuits).
2. Untighten the M6 lid securing screws.
3. a) Carefully remove the lid ensuring the seal is not displaced or damaged.
b) Ensure correct gasket is fitted for area of use.

TO CLOSE THE LID:

1. Check that the gasket is correctly secured to the underside of the lid and undamaged. If the lid has been removed, completely reverse the opening procedure at 3, ensuring that the correct lid is refitted.
2. Ensure that the wiring is not trapped or obstructing the sealing flange.
3. Locate and tighten the M6 lid securing screws into the box body.

SPECIAL CONDITIONS FOR SAFE USE:

- 1. Unused entry holes shall be fitted with stopping plugs. The operating temperature range of the enclosure is limited to that of the stopping plug fitted. **The user is responsible for ensuring that the relevant IP rating is maintained.**
- 2. The breather / drain devices must be installed in their correct orientation in either the bottom face or bottom face gland plate of the enclosure. The operating temperature range of the enclosure is limited to that of the breather / drain device fitted.
- 3. All terminal screws, used and unused, shall be tightened down by the end user.
- 4. Insulation of conductors must extend to within 1mm of the metal of the terminal throat unless specified otherwise on the terminal instructions.
- 5. No more than one single or multi-stranded lead shall be connected to either side of any terminal unless multiple conductors have been joined in a suitable manner e.g. two conductors into a single insulated bootlace ferrule, or any method indicated on the terminal instructions.
- 6. Terminal temperatures must not exceed the operating range specified on the terminal instructions.
- 7. All terminals and accessories such as cross-connectors, shall be installed in accordance with the terminal manufacturers instructions.
- 8. The maximum voltage, current and dissipated power shown on the rating label must not be exceeded.
- 9. When connecting conductors of cross section below the maximum allowed for the particular terminal then the maximum amps per pole must be reduced in line with the maximum amps permitted for a terminal equivalent to the conductor size fitted e.g. if a terminal that can take a 6 sq. mm. conductor at 29 amps is fitted with a 2.5 sq. mm. conductor then the current shall be reduced to a maximum of 17 amps, or the rating marked on the apparatus label, whichever is the lower.

ENCLOSURE INSTALLATION (EI)

- a) The IP rating of the enclosure must be maintained for the area of use by the using the correct cable/gland/sealing arrangements and in accordance with the installation codes and these installation instructions.
- b) Where other certified components are part of the assembly, the user must take account of any limitations listed on relevant certificates.

TERMINAL WIRING (TW)

- a) All wiring must be carried out in accordance with the relevant code of practice and/or instructions.
- b) When used as a general purpose junction box or marshalling box the circuits carrying currents ≥ 1A shall be individually protected against over current such that the protective device operates effectively at no more than 1.45 times the current carrying capacity of the smallest conductor used in that circuit.

EARTHING:

- a) Enclosures to be earthed in line with current installation practices.

SCHEDULE OF TERMINALS FITTED

FMEJB 1 Terminal Capacity Data					
Terminal Type	Conductor Size mm²		Max. Volts	Maximum Physical Terminal Content	
	Min	Max		Term. Qty.	Amps
SAKK4 **	0.5	6.0	275	7	20

Note: SAKK terminals are suitable for -60°C

FMEJB 2 Terminal Capacity Data					
Terminal Type	Conductor Size mm²		Max. Volts	Maximum Physical Terminal Content	
	Min	Max		Term. Qty.	Amps
SAKK4 **	0.5	6.0	275	11	20

Note: SAKK terminals are suitable for -60°C

EU Certificate of Conformity in accordance with European Directive 2014/35/EU
Manufacturer: Hawke International
Address: Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom.

Equipment Type: FMEJB Industrial Junction Box

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

Standards used: BS EN 60529:1992+A2:2013


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