

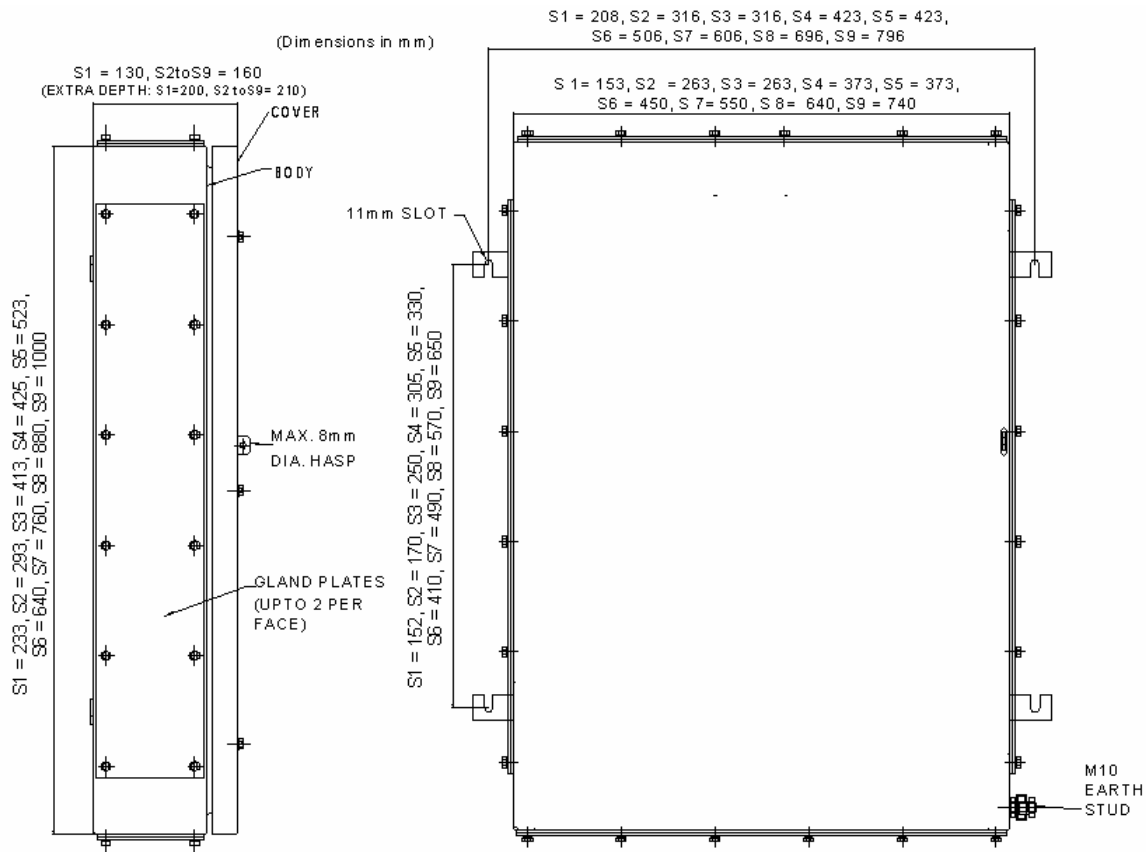
INSTALLATION & SAFETY DATA SHEET TYPE SIZE 1 TO SIZE 9

HAWKE
International

(ZS1 to ZS9 Stainless Steel or ZMS1 to ZMS9 Mild Steel)

COMPONENT CERTIFIED ENCLOSURE

IMPORTANT : THIS DOCUMENT SHOULD BE READ CAREFULLY BEFORE COMMENCING INSTALLATION



CERTIFICATION MARKING :

STANDARD ENCLOSURE ZS1 to ZS9 (Including when fitted with EMC gaskets and/or breather/drains that satisfy IP6*) :

⊕ II 2 GD. EExe II BAS01ATEX2105U - IP 6*

ALTERNATIVE ENCLOSURES ZS1/1 to ZS9/1 (Fitted with Breather / Drains that satisfy IP5*) :

⊕ II 2G 3D EExe II BAS01ATEX2105U - IP 5*

ZONES OF USE OF COMPONENT CERTIFIED ENCLOSURE

CAT II 2G for use in Zone 1. Areas as defined in BS EN 60079-14.

CAT II 2D for use in Zone 21 or 22. Areas defined in EN 50281-1-2

CAT II 3D for use in Zone 22. Areas as defined in EN 50281-1-2 (Non-Conductive Dusts)

MAXIMUM SERVICE TEMPERATURE : -40°C to +80°C

Component Certified Enclosure Only, additional certification required when assembled with other electrical equipment.

TO OPEN THE LID :

1. Untighten the M6 lid securing screws.
2.
 - a) Carefully swing the lid back on its hinges ensuring the seal is not displaced or damaged.
 - b) The lid may be removed completely by opening to approximately 110° and lifting off.
 - c) 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 procedure at 2 b) ensuring that the correct lid is refitted.
2. Locate and tighten all the M6 lid securing screws into the box body.
3. If a padlock is required, place the hasp through the locating hole in the catch on the lid.

ENCLOSURE INSTALLATION (EI)

- a) The IP rating of the enclosure must be maintained for the area of use (e.g. IP6* for Zone 21 dust environment) by the use of correct arrangement of cable / gland / sealing arrangements and in accordance with the installation codes as detailed in BS EN 60079-14, EN 50281 and these instructions.
- b) Where other certified components are part of the assembly, the user must take account of any limitations listed on relevant certificates.
- c) If an optional Breather / Drain as listed on the enclosure certificate is fitted the enclosure must be sited such that the Breather / Drain is pointing vertically downwards from the bottom of the box, and the IP rating of the selected Breather / Drain **shall** match the IP rating of the enclosure.
- d) The enclosure may be ready supplied with cable entries. If the customer drills cable entries they must be installed in accordance with the component certificate BAS01ATEX2105U enclosure limitations these specify a maximum clearance on the entry thread of 0.7mm and where adjacent cable entries are installed sufficient clearance must be maintained to allow for the fitting of sealing / retaining washers and the rotation of the cable gland hexagons.
- e) All unused entry apertures must be sealed using a suitably approved stopping plug as listed on the enclosure certificate, and also to maintain the required IP rating for the zone of use.

EARTHING

- a) Where there is a requirement for bonding of gland plate, this can be achieved by using earth tags in conjunction with cable glands or by use of earth studs. In the case of painted boxes, consideration must be given to the removal of the paint, e.g. under a serrated washer on the inside of the box which may lead to corrosion of the enclosure and potential reduction in earthing protection. This area following installation must be protected against corrosion.
- b) The earth leads must be at least equal the cross section of the largest conductor up to 16 sq. mm. or a minimum of 0.5 x the maximum cross sectional area of the live conductor above 35 sq. mm. with a minimum cross sectional area of 16 sq. mm.

Visit our Web Site at www.ehawke.com

Safety First

Hawke International
UK Office,
Oxford Street West,
Ashton-under-Lyne,
Lancashire.
OL7 0NA. UK.

Sales: UK 0870 60 60 105
Sales: +44 (0) 161 830 6698
Technical UK: 0870 458 9358
Technical: +44 (0) 161 830 6697
Fax: +44 (0) 161 830 6648
E-mail: sales@ehawke.com

HAWKE
International

HAWKE
International