

## A.S.P. Electro-Technology Ltd INFORMATION SHEET

### SX Range of EEx'e' Enclosures

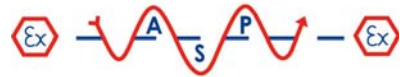


14 sizes of enclosure manufactured in either mild steel or stainless steel. Depending on the enclosure size they are available in standard depths of 140, 200 or 300mm and can be fitted with removable gland plates on any or all of the four sides. The mild steel version (MSX) is available with a number of paint options (most RAL colours available) and anti corrosion finishes. The stainless steel range (SSX) is manufactured in 316 grade stainless steel to give the maximum environmental protection. The main body is manufactured from 2mm thick sheet and the mounting straps and gland plates from 3mm thick plate. Cable entries can be drilled in the sides or through the gland plates, if fitted, or through the enclosure wall. Entries may also be drilled through the rear face of the enclosure EEx versions also.)

The SX range was specifically designed to meet the rigours of the North Sea environment and is capable of achieving IP66 and IP67 and has also undergone and passed the Shell/ERA deluge test which was devised to adequately test enclosures and electrical equipment which is routinely subjected to ships decks conditions or fire deluge systems. IP68 enclosures are also available for depths up to 120 ft to special order. Another advantage of the SX range is that it is suitable for fire resistance applications and when fitted with ceramic terminals meets the requirements of IEC 331 (750°C for 3 hours) and also BS6387/1983 (950°C for 3 hours). Another important feature of the SX range is the door, which is held to the enclosure by at least 4 captive stainless steel screws, which also maintain the correct compression on the gasket. The hinges are solid block, machined oversize to enable the screws to control the closing of the door, not the hinge, its only function being to support the door when opened. The hinges allow easy removal of the door with only minimal opening required before removal (less than 10°).

The SX range has many features which lend itself to many applications, not least of which is the ability to be constructed to almost any dimension due to its fabricated nature. This can also be applied to EEx enclosures where the certification allows oversize enclosures to be manufactured whilst retaining the next smallest sized enclosures' power rating.





Other applications include junction boxes, both industrial and hazardous area, OEM applications, fire protection systems, tunnel wiring, IP68 applications, etc.

Earthing is accomplished by means of an external/internal earth stud fitted as standard which can be connected to the terminal mounting rail or component mounting plate and optionally earth studs can be fitted to the door and gland plates. Rail mounted earth terminals or proprietary earth bars can be fitted inside the enclosure.. When fitted with a standard neoprene gasket, the enclosure is suitable for ambient temperatures of -40°C to 80°C. Alternatively when fitted with an optional silicone gasket the temperature range is increased to -70°C to 130°C.

The SX range of enclosures are suitable for use in hazardous areas and can be supplied with a number of certificates. ATEX EEx 'e' to BS EN 50019 (Zone 1 & 2) EEx 'nA' to BS EN50021 (Zone 2) and NEMA 4X (CSA, UL & FM class 1, div 2). The SX range can be supplied fitted with any component approved terminal to apparatus level or can be supplied empty as component approved for the clients own certification requirements.

Available Sizes (mm)			
	Width	Height	Depth
▶ <u>SX45</u>	114	114	51
▶ <u>SX64</u>	102	140	124
▶ <u>SX66</u>	152	123	165
▶ <u>SX0</u>	152	229	140/200
▶ <u>SX0.5</u>	184	274	140/200
▶ <u>SX1</u>	234	324	140/200
▶ <u>SX1.5</u>	306	306	140/200
▶ <u>SX2</u>	372	324	140/200
▶ <u>SX3</u>	372	448	140/200
▶ <u>SX4</u>	372	510	140/200
▶ <u>SX5</u>	510	510	140/200
▶ <u>SX6</u>	510	780	140/200/300
▶ <u>SX7</u>	650	950	140/200/300
▶ <u>SX8</u>	800	1250	140/200/300

**Supplied by:**

**A.S.P. Electro-Technology Ltd**  
Specialist Suppliers of Hazardous Area Certified  
Electrical Products & Instrumentation

39 London Road, Hinckley, LE10 1HQ. U.K.  
Tel: +44 (0)1455 635796 Fax: +44 (0)1455 251110  
Email: [sales@asp-electro-tech.com](mailto:sales@asp-electro-tech.com) Web: [asp-electro-tech.com](http://asp-electro-tech.com)



This publication is not intended to form the basis of a contract. All the above specifications, dimensions, weights, tolerances etc are typical and may be varied or changed by the manufacturer without prior notice. A.S.P. Electro-Technology accept no liability for consequence of use.