

SX1 Stainless Steel Enclosures

IP66

The SX is a highly durable stainless steel enclosure designed for use in the most demanding and hazardous environments.

- Manufactured from marine grade 316L stainless steel
- Ingress protection to IP66
- Option for IP67/68
- High Level of Impact (IK10)
- High ambient temperature range



Enclosure Ratings

Product Reference	Width (mm)			Height (mm)		Depth (mm)	Weight (kg)
	X	X (H)	X (M)	Y	Y (M)	Z	
ESSX1140	234	314	170	324	260	140	6.3
ESSX1200	234	314	170	324	260	200	7.2

Standard Specifications

Material	Marine grade 316L (1.404) stainless steel with silicone gasket and stainless steel fixings				
Material Thickness	Enclosure/Door: 2mm Gland Plates: 3mm				
Ingress Protection	IP66 (as standard, IP67/68 & Type 4X option available)				
Impact Resistance	IK10				
Ambient Temp Rating	Hazardous Area: -50°C to +175°C Non-Hazardous: -60°C to +200°C				
Earthing	Earth Stud fitted to Door and Gland Plates				
Terminal Quantities	WDU 2.5	WDU 4	WDU 6	WDU 10	WDU 16
	78	72	50	40	32
Certification	Type of Protection			Equipment Coding	
	Ex eb (Increased Safety)			Ex eb IIB/IIC Gb	
	Ex tb (Dust Protected)			Ex tb IIIC Gb	
	Ex ia/ib (Intrinsic Safety)			Ex ia IIB/IIC Ga, Ex ib IIB/IIC Gb	
	Ex ta (Dust Ignition)			Ex ta IIC Da	
	Ex op is/pr (Optical Radiation)			Ex op is IIB/IIC, Ex op pr IIB/IIC T4 Gb	
Certificate Numbers	IECEX		IECEX CML 14.0047X		
	ATEX		CML 14ATEX3123X		
	UKEX		CML 21UKEX3109X		
	ECAS Ex (UAE)		24-06-23146/Q24-06-049342/NB0007		
	InMetro (Brazil)		NCC 24.0069 X		
	NEC Class 1 Zone 1		E115516		
	NEC Class 1 Division 2		E115516		
TRCU (Eurasian Customs Union)		RU C-GB.HA65.B.01696/23			

Gland Entry Matrix *

Size	Side A – C		Side B – D	
	140	200	140	200
M16	10	20	14	28
M20	6	12	10	18
M25	3	9	5	12
M32	2	4	4	8
M40	2	2	3	6

*Using standard gland clearances.

Drilling Envelope Dimensions

Size	Side A – C		Side B - D	
	140	200	140	200
Width (mm)	169	169	239	239
Height (mm)	75	135	75	135

*With gland plate fitted.

Accessories

Gland Plates (available on all sides)
Rear entries
Electro-polished external surfaces
Epoxy powder coated, smooth finish (RAL colour may be specified)
Anti-condensation heater
Component Mounting Plate
Breather Drain
Internal earthing bar

Dimensions

