

SX7 Stainless Steel Enclosures

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



IP66



Enclosure Ratings

Product Reference	Width (mm)			Height (mm)		Depth (mm)	Weight (kg)
	X	X (H)	X (M)	Y	Y (M)	Z	
ESSX7140	650	730	586	950	886	140	35.0
ESSX7200	650	730	586	950	886	200	39.0
ESSX7300	650	730	586	950	886	300	45.0

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	WDU 35
	790	660	500	410	340	250
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	36	72	54	110
M20	28	48	42	72
M25	14	36	22	54
M32	10	20	14	28
M40	8	16	12	24

*Using standard gland clearances.

Drilling Envelope Dimensions

Size	Side A – C		Side B - D	
	140	200	140	200
Width (mm)	585	585	865	865
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

