

SX6 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	
ESSX6140	510	590	446	780	716	140	24.0
ESSX6200	510	590	446	780	716	200	27.0
ESSX6300	510	590	446	780	715	300	32.0

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 35
	512	424	320	260	160
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	

Gland Entry Matrix *

Size	Side A – C		Side B – D	
	140	200	140	200
M16	26	55	42	85
M20	20	36	34	60
M25	10	27	18	42
M32	7	14	11	22
M40	6	12	10	18

*Using standard gland clearances.

Drilling Envelope Dimensions				
Size	Side A – C		Side B - D	
	140	200	140	200
Width (mm)	445	445	695	695
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

