ENCLOSURES

Cast aluminum boxes for pulling, splicing, connection and the housing of electrical equipment and instrumentation in areas with a high risk of explosion.

01 SX9GUB

Rectangular boxes with threaded cover, instrument boxes, sight glass.



Class I, Div. 1 & 2, Groups C-D
Class II, Groups E-F-G · Class III · IP66

02 SX7E

Pull, splice and equipment enclosure boxes, 6" through 33".



Class I, Div. 1 & 2, Groups C-D
Class II, Groups E-F-G · Class III · IP66





03 EX POLYESTER

Glass-fibre-reinforced polyester Ex e junction boxes, Cat. No. 06, 75 × 80 × 55 mm to 405 × 400 × 120 mm.

Class I, Zone 1, AEx eb IIC · Ex eb IIC · IP66 · UL / cULus

CERTIFICATION

Only UL / cULus listed references are shown in this section.

SX9GUB

Rectangular boxes with threaded cover · Instrument boxes · Sight glass

APPLICATION

SX9GUB boxes for indoor or outdoor use, for pulling, branching, connection and the housing of electrical equipment and instrumentation in areas with a high risk of explosion.

FEATURES

Body and cover in aluminum casting with low iron and copper content, manufactured to UL 1203 standards.

Factory tapping to suit any installation. NPT threaded for conduit entry and exit.

Mounting by slotted lugs.

O-ring gasket for outdoor use; bronze ground, brass and aluminum mounting plate.

Large-diameter threaded cover for easy inspection and maintenance.

FINISH

Exterior: hammered grey electrostatic polyester paint. Interior: hammered grey enamel. Optional epoxy or polyurethane for aggressive environments.

OPTIONS

Tempered glass sight glass in several useful diameters. Stainless steel drain and breather valve. Plugged accesses. Assembled instruments and electrical equipment for measurement and control. Four cover types: flat blind, flat with sight glass, blind dome, dome with sight glass — all threaded.



IN ACCORDANCE WITH

UL 1203 — Explosion-proof and dust-ignition-proof electrical equipment for hazardous (classified) locations.

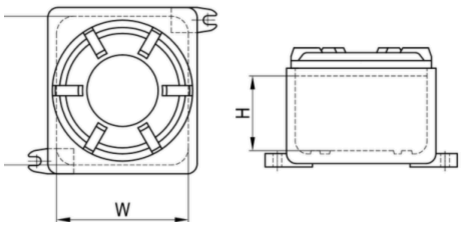
UL 50 — Cabinets and boxes.

NEC art. 500-503 — National Electrical Code.

IEC 60529 — Degrees of protection provided by enclosures.

INSTRUMENT OPTIONS (SPECIFY)

Ammeter · Voltmeter · Wattmeter · Hour meter · Photocell · Other (specify)



Dimensions given as L×W×H in millimetres. All dimensions and weights are approximate.

BLIND FLAT COVER

DIM. (MM)	MAX NPT (IN)	CAT#	CERT.
148x148x130	2	SX9GUB1A	cULus
198x219x138	2	SX9GUB2A	cULus
244x270x161	4	SX9GUB3A	cULus

BLIND DOME COVER

DIM. (MM)	MAX NPT (IN)	CAT#	CERT.
148x148x130	2	SX9GUBD1A	cULus
198x219x138	2	SX9GUBD2A	cULus

FLAT COVER WITH SIGHT GLASS

DIM. (MM)	MAX NPT (IN)	GLASS Ø (MM)	CAT#	CERT.
148x148x130	2	45	SX9GUBW1A-45	cULus
198x219x138	2	80	SX9GUBW2A-80	cULus
244x270x161	4	125	SX9GUBW3A-125	cULus

DOME COVER WITH SIGHT GLASS

DIM. (MM)	MAX NPT (IN)	GLASS Ø (MM)	CAT#	CERT.
148x148x130	2	45	SX9GUBDW1A-45	cULus
198x219x138	2	80	SX9GUBDW2A-80	cULus

SX7E

Pull, splice and equipment enclosure boxes

APPLICATION

Explosion-proof SX7E boxes for indoor or outdoor use, for pulling, branching, connection and the housing of electrical equipment and instrumentation in areas with a high risk of explosion.

FEATURES

Wide range of explosion-proof box sizes; body and cover in aluminum casting with low iron and copper content, manufactured to UL 1203.

Factory tapping to suit any installation. NPT thread for conduit entry, 1/2" through 4".

Mounting by lugs. O-ring gasket for outdoor use.

Bronze ground, aluminum sheet mounting tray.

Hinges according to size. Stainless steel hardware.

FINISH

Exterior: hammered grey electrostatic polyester paint. Interior: hammered grey enamel. Optional epoxy or polyurethane for aggressive environments.

OPTIONS

Tempered glass sight glass in several useful diameters for classified areas. Stainless steel drain and breather valve. Plugged accesses. Assembled instruments and electrical equipment.



IN ACCORDANCE WITH

UL 1203 — Explosion-proof and dust-ignition-proof electrical equipment for hazardous (classified) locations.

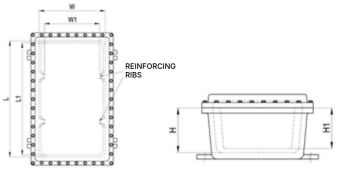
UL 50 — Cabinets and boxes.

NEC art. 500-503 — National Electrical Code.

IEC 60529 — Degrees of protection provided by enclosures.

ASSEMBLED ELECTRICAL EQUIPMENT OPTIONS

Racks · Direct-on-line motor starters · Star-delta starters · Motor protectors · Boxes with thermal-magnetic breakers · Control stations · Interconnection boxes with terminal blocks · Pole-mounted connection panels · Pilot lights and indicators · Distribution panels · Lighting panels



SX7E REFERENCES

DIMENSIONS			MAX NPT (IN)	CAT#	CERT.	WEIGHT (KG)
INTERNAL (L×W×H IN)	L×W×H (MM)	INTERNAL WITH RIBS (L1×W1×H1 MM)				
6"x4"x4"	154x105x102	–	2	SX7E 644	cULus	6,1
6"x6"x4"	154x154x107	–	2	SX7E 664	cULus	8,6
6"x6"x6"	154x154x150	–	2	SX7E 666	cULus	9,0
8"x6"x4"	205x152x105	–	2	SX7E 864	cULus	11,0
8"x8"x3"	220x218x87	–	2	SX7E 883	cULus	94,0
8"x8"x4"	204x205x108	–	2	SX7E 884	cULus	11,0
8"x8"x8"	205x204x200	–	2	SX7E 888	cULus	13,0
10"x6"x6"	252x152x155	–	2	SX7E A66	cULus	13,5
8"x6"x6"	207x156x152	–	4	SX7E 866	cULus	11,3
10"x10"x6"	261x258x154	–	4	SX7E AA6	cULus	20,5
12"x5"x6"	300x136x157	–	4	SX7E C56	ULus	17,0
28"x16"x8"	716x410x200	716x346x174	4	SX7E SG8	ULus	97,5
28"x16"x13"	716x410x355	716x340x329	4	SX7E SGD	ULus	125,8
33"x12"x13"	839x316x343	839x246x317	4	SX7 XCD	ULus	151,0

All dimensions and weights are approximate. Specifications subject to change without notice.

EX POLYESTER

Ex equipment · Polyester Ex enclosures · Cat. No. 06 · PExe

OVERVIEW

The polyester Ex enclosure range comprises sizes of 75 × 80 × 55 mm to 405 × 400 × 120 mm. These enclosures are supplied pre-assembled as Ex e approved enclosures.

These robust enclosures obtain their typical black coloration thanks to the addition of graphite to the glass-fibre-reinforced polyester material.

These enclosures' high degree of protection (IP 66) makes them suitable for both indoor and outdoor use. An extensive range of accessories rounds off the universal character of the polyester family of Ex enclosures.

The enclosure body consists of glass-fibre-reinforced polyester with a graphite additive. The lid and the base are screwed together by means of tethered stainless-steel screws. An offshore variant for equipping with cable glands for armoured cables is also available on request.

FIELDS OF APPLICATION

Can be used indoors and outdoors

Extensive range of accessories

Graphite additive in glass fiber reinforced polyester

PRODUCT HIGHLIGHTS

Glass fibre reinforced enclosure system of polyester-resin for use in all Ex-areas

Ex e terminal and junction enclosures for individual fittings

Optional version with window

SERVICE

Machining · Surface finishing technology · Installation · Laboratory · Explosion protection





EXPLOSION PROTECTION

II 2G Ex eb IIC T6/T5/T4 Gb

Class I, Zone 1, AEx eb IIC · Ex eb IIC (UL / cULus)

II 2D Ex tb IIIC T85°C/T100°C/T135°C Db IP66

APPROVALS

ABS · ATEX · CCOE Indien · EAC (TR CU) · EXPLOLABS · IECEx · INMETRO · UkrSEPRO Ukraine · UL Ex

SERIES

PExe	Ex e terminal / junction enclosure, Cat. No. 06 — UL / cULus listed

EX POLYESTER

Product range · UL / cULus listed Cat. No. 06 references

PRODUCT RANGE

DIMENSIONS (MM)			TYPE 06 — EX E JUNCTION BOX	
HEIGHT	WIDTH	DEPTH	CAT. NO.	TYPE
75	80	56	060808060	PExe 06010
75	80	75	060808080	PExe 06015
75	110	56	060811060	PExe 06020
75	110	75	060811080	PExe 06025
75	160	56	060816060	PExe 06030
75	160	75	060816080	PExe 06035
75	190	56	060819060	PExe 06040
75	190	75	060819080	PExe 06045
75	230	56	060823060	PExe 06050
75	230	75	060823080	PExe 06055
120	122	91	061212090	PExe 06060
120	220	91	061222090	PExe 06065
160	160	91	061616090	PExe 06070
160	260	91	061626090	PExe 06075
160	360	91	061636090	PExe 06080
160	560	91	061656090	PExe 06085
250	255	121	062526120	PExe 06090
250	255	161	062526160	PExe 06095
250	400	121	062540120	PExe 06100
250	400	161	062540160	PExe 06105
250	600	121	062560120	PExe 06110
360	360	91	063636090	PExe 06115
405	400	121	064140120	PExe 06120
405	400	201	064140200	PExe 06125

All dimensions in millimetres. Cat. No. 06 junction boxes are UL / cULus listed for Class I, Zone 1, AEx eb IIC, Ex eb IIC hazardous locations; Cat. Nos. 06880100, 06880200, 06880300 and 06880400 are also covered by the listing. 3D data, drawings and terminal-mounting details available on request.

Enclosures · 03 · Art.-No. 062560120

PEXE 06110

Polyester Ex Enclosure Ex e · 250 × 600 × 121 mm

TECHNICAL DATA

Height	250 mm
Width	600 mm
Depth	121 mm
Material	Polyester
Colour	Graphite black (RAL 9011)
Ingress protection	IP66
Degree of protection norm	EN 60529
Temperature min.	-55 °C
Temperature max.	135 °C
Seal material	VMQ-(silicone)
Flammability enclosure (certification)	UL 94 V-0
Toxicity	Halogen free
Surface resistance	<109 Ohm
Surface resistance norm	IEC 60093
Other versions on request	EMV
Special colours on request	No

APPROVALS

UkrSEPRO (Ukraine) · ABS · ATEX (Europe) · EAC (EAEU states) · IECEx (International) · INMETRO (Brazil) · UL (508A) · UL (Ex) · CCC (China) · DNV (Maritim) · IA (South Africa) · UKCA (England) · ECAS (UAE)



COMMERCIAL DATA

Country of origin	DE
Order unit	1 Piece
Customs tarif number	85369095
Weight	5.235 kg
GTIN	4250157942593
ETIM 8	EC002503

ACCESSORIES

ART.-NO.	DESCRIPTION
100111170	Mounting plate for 02.256012
100160230	Continuity plate for Polyester
100270010	HINGE EXTERNAL / GREY
100614280	DIN rail 35/7,5 for xx.236011

DOCUMENTATION

Catalogues · Operating manuals · Declaration of Conformity · Drawing · 3D data · Terminal mounting

EX STAINLESS STEEL

Ex equipment · Stainless steel enclosures with hinged lid · Cat. No. 35

OVERVIEW

Industrial enclosures with hinged lid are manufactured in Material 1.4301/304 or, alternatively, in Material 1.4404/316L, and thus assure extremely good protection in harsh and aggressive environments. The lid takes the form of a door, and is secured by means of an internal hinge.

The door, which is equipped with a double ward lock, thus permits quick and easy opening and closure of the enclosure at any time.

The silicone lid seal used permits service-temperature ranges (with ATEX/IECEX certificate) from -55°C to +135°C. Ex enclosures provide Degree of Protection IP 66 as standard.

The lower enclosure section is prepared for the easy installation of mounting plates or DIN rails. These enclosures provide good EMC screening, which can be improved even further by means of a special “EMC seal”.



EXPLOSION PROTECTION

II 2G Ex eb IIC T6/T5/T4 Gb

II 2D Ex tb IIIC T85°C/T100°C/T135°C Db IP66

Class I, Zone 1, AEx eb IIC · Ex eb IIC (UL / cULus)

Class I, Zone 1, AEx tb IIIC (UL / cULus)

FIELDS OF APPLICATION

Very good resistance in harsh and aggressive environments

Double beard closure

EMC shielding

PRODUCT HIGHLIGHTS

High-quality enclosure systems for aggressive areas according ATEX and IEC-directives

Ex e terminal and junction enclosures for individual fittings

With covered hinges and double ward locks

APPROVALS

UL Ex · ABS · ATEX · CCOE Indien · EAC (TR CU) · EXPLOLABS · IECEx · INMETRO · UkrSEPRO Ukraine

UL CERTIFICATE

20170429-E203312 · Report E203312-19990611 · UL 60079-0 · UL 60079-7 · ANSI/ISA/UL 60079-31 · CAN/CSA C22.2 No. 60079-0:15 · CAN/CSA E60079-7:12

SERVICE

Machining · Surface finishing technology · Installation · Laboratory · Explosion protection

PRODUCT RANGE · UL / CULUS LISTED CAT. NO. 35 REFERENCES

ART.-NO.	TYPE	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)
350022090	IGSExe 35010	250	200	97
350022150	IGSExe 35015	250	200	157
350032090	IGSExe 35020	250	350	97
350033160	IGSExe 35025	300	300	167
350044160	IGSExe 35030	380	380	167
350044210	IGSExe 35035	380	380	217
350053160	IGSExe 35040	300	500	167
350063160	IGSExe 35045	300	600	167
350064210	IGSExe 35050	380	600	217

All dimensions in millimetres. Type 35 junction boxes are UL / cULus listed for Class I, Zone 1, AEx eb IIC, Ex eb IIC hazardous locations and Type 35 enclosures for Class I, Zone 1, AEx tb IIIC hazardous locations. 3D data and drawings available on request.