11KV 33KV CABLE JOINTS & CABLE TERMINATIONS
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SX

Stainless Steel and Mild Steel Enclosures

Stainless Steel and Mild Steel Enclosures

The SX range comprises 14 sizes of enclosure manufactured in either mild steel or stainless steel. 11 sizes are available in depths of 140 or 200mm and 8 sizes are available in depths of 140, 200 or 300mm. The majority of the range 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 are available) and anti-corrosion finishes. Further advice on surface finishes can be sought from the ABTECH sales office.

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 enclosure door or sides or through the gland plates, if fitted. Entries may also be drilled through the rear face of the enclosure (EEx'e' versions also.)

Another important feature of the SX range is the hinged, lift-off 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°).

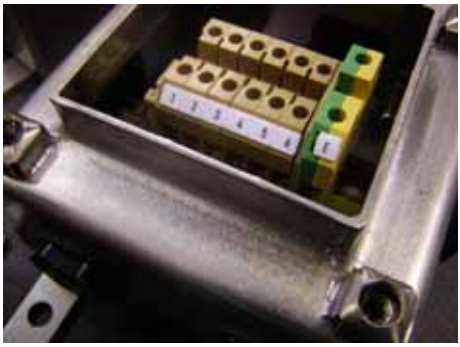
Earthing is accomplished by means of an Internal / external earth stud fitted as standard which can be connected to the terminal mounting rail or component mounting plate. Optionally, earth studs can be fitted to the door and gland plates. Rail mounted earth terminals or proprietary earth bars can be fitted inside the enclosure and ABTECH Sales staff will be happy to advise on this. 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 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) and GOST.

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.

The SX range was specifically designed to meet the rigours of the North Sea environment and is capable of achieving IP66 and IP67. It 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 deck conditions or fire deluge systems.

IP68 enclosures are also available for depths up to 120 ft to special order. Further information on submersible enclosures is available in Section 8 of this catalogue.



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

The SX range has many features which lend itself to a wide variety 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'e' enclosures where the certification allows oversize enclosures to be manufactured whilst retaining the next smallest sized enclosure's power rating.

The SX range is also 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). Further details are available in Section 6 of this catalogue.

SX Range Features

- Wide Operating Temperature (- 70°C to + 130°C)
- Ingress Protection up to IP68
- Fire Resistant to IEC331
- Impact Resistant > 10 Nm
- Corrosion Resistant
- Gland plates can be fitted to any or all four sides (size SX0 and above)
- Certification for use in Zone 1 and 2
- UL, CSA, ATEX and GOST Approvals
- Ideal for Petrochemical and Marine applications

Accessories and Options

The following table is a list of the available accessories suitable for particular standard sizes of SX enclosures. Care should be taken when ordering accessories for use with enclosures intended for hazardous areas to ensure that compliance with certification is retained.

Part Number (see note 1)	Width (mm) (see note 2)	Height (mm) (see note 2)	Depth (mm) (see note 2)	140mm Depth	200mm Depth	300mm Depth	Gland Plates (on any or all four sides)	**EP** – Electro-polished external surfaces (SX range only)	**LB** - Label Bracket Welded to Door	**ES** - Earth Stud fitted to Door and Gland Plates	**EB** - Internal Earthing Bar	**SIL** - Silicone Gasket (see note 3)	**BD** - Breather Drain (see note 4)	**TP** - Tamper Proof Lid Fixing Screws	**MP** - Component Mounting Plate (Steel /Stainless Steel)	**RF** – RFI Protection (see note 5)
SX45	114	114	51	×	×	×	×	✓	✓	×	×	✓	✓	✓	✓	✓
SX64	102	152	63	×	×	×	×	✓	✓	×	×	✓	✓	✓	✓	✓
SX66	152	152	102	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX0	152	229	-	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX0.5	184	274	-	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX1	234	324	-	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX1.5	306	306	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX2	372	324	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX3	372	448	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX4	372	510	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX5	510	510	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX6	510	780	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX7	650	950	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SX8	800	1250	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Ordering Example;

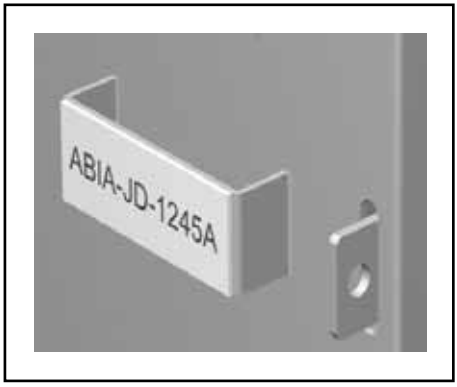
SX1.5 300 4GP LB EB

(Stainless Steel SX1.5 300mm deep, 4 gland plates, label bracket on door and internal earthing bar)

1. The range is available either in stainless steel 316 (SX variants) or mild steel (MSX variants).
2. Manufacturing tolerances are +/- 3mm on overall dimensions and +/-0.5mm on fixing hole centres.
3. Silicone gasket increases temperature rating (-70º to +130º C) and may increase working life in some applications.
4. Breather drain available in IP66 stainless steel or plastic.
5. Radio Frequency Interference (RFI) gasket may reduce IP rating.

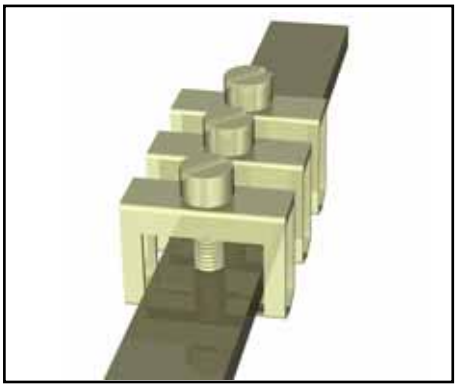
Full width, full height Gland Plates
(can be fitted to any or all sides)

Earth Stud fitted to door and gland plates

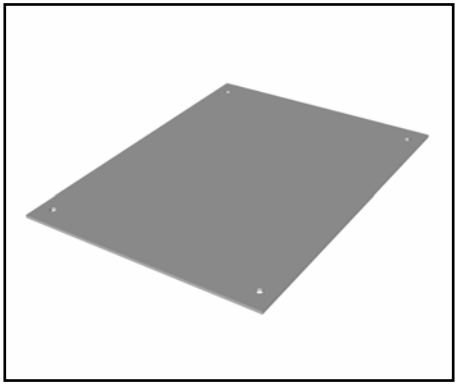


Label Bracket
(welded to door)

Electro-polished
(external surfaces on SX range only)

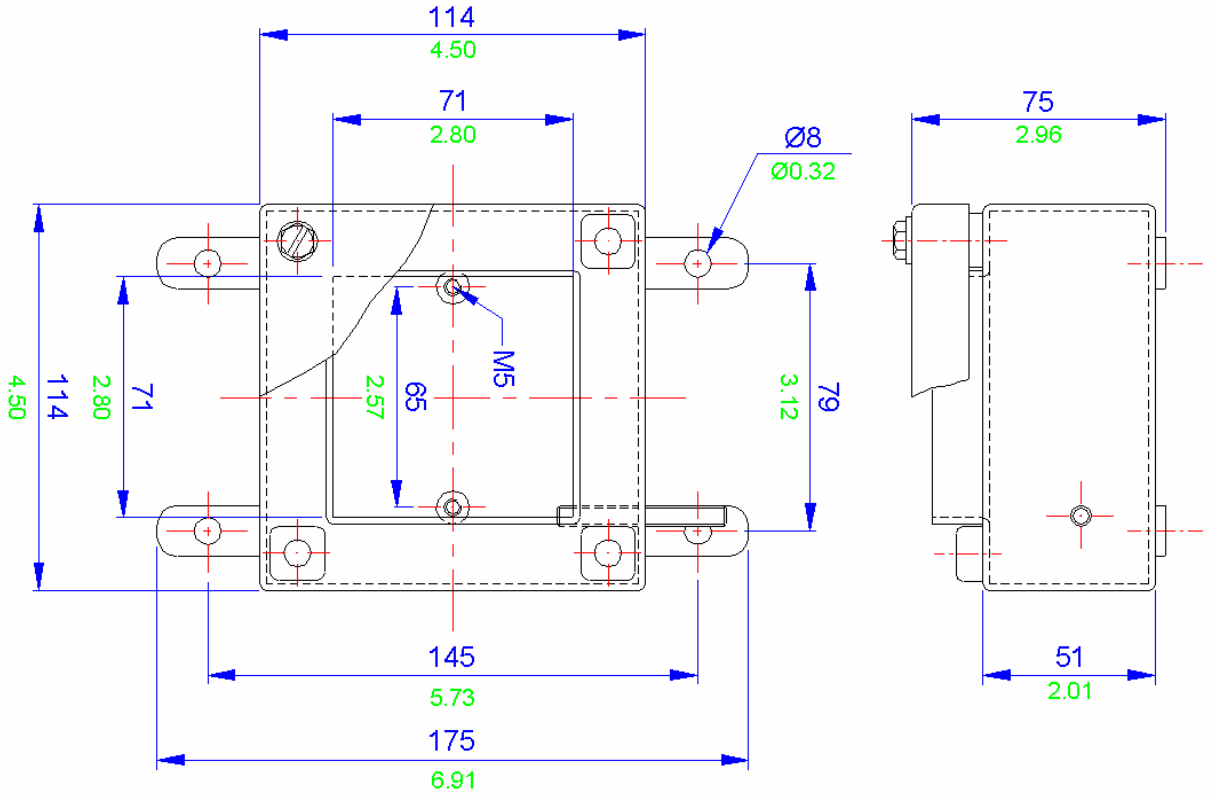


Internal Earthing bar
(can be fitted with clamps)



Component Mounting Plate
(steel or stainless steel 316)

MSX 45 / SSX 45 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 45 / SSX 45 Specifications

Width	114mm
Length	114mm
Depth	51mm
Material	Mild steel
	Stainless steel 316 (1.4404)
Weight	1200g
IP Rating	66 or 67
Temperature	-40º to 80º C (standard neoprene gasket)
	-70º to 130º C (silicone gasket)
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7
	ATEX EEx nA (Zone 2) BS EN 60079-15
	ATEX EEx nR (Zone 2) BS EN 60079-15
	CSA - Ex e (Class 1 Zone 1 & Zone 2)
	FM - AEx e (Class 1 Zone 1 & Zone2)
	GOST-R Ex e (Zone 1 & Zone 2)
	NEMA 4X (CSA, UL & FM) (class 1 division 2)
Power Rating	8.0W

Terminal Populations

Maximum Number of Rows			1
Weidmuller		**Wago**	
SAK 2.5	7	280-992	8
SAK 4	7	280-999	0
SAK 6	5	281-691	7
SAK 10 *	4	281-992	7
SAK 16 *	3	281-993	0
SAK 35	0	282-691	0
SAK 70	0	284-691	0
		283-691	0
		285-691	0
		280-998	8
		281-998	0
		264-120	7
Phoenix		264-220	4
UK 2.5 N	9	264-132 (2)	1
UK 3 N	9	264-134 (4)	1
UK 5 N	7	262-132 (2)	1
UK 10 N *	4	262-134 (4)	1
UK 16 N *	3		
UK 35 N	0		

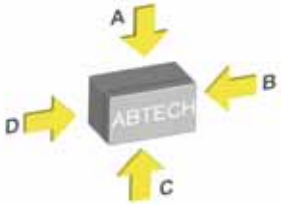
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

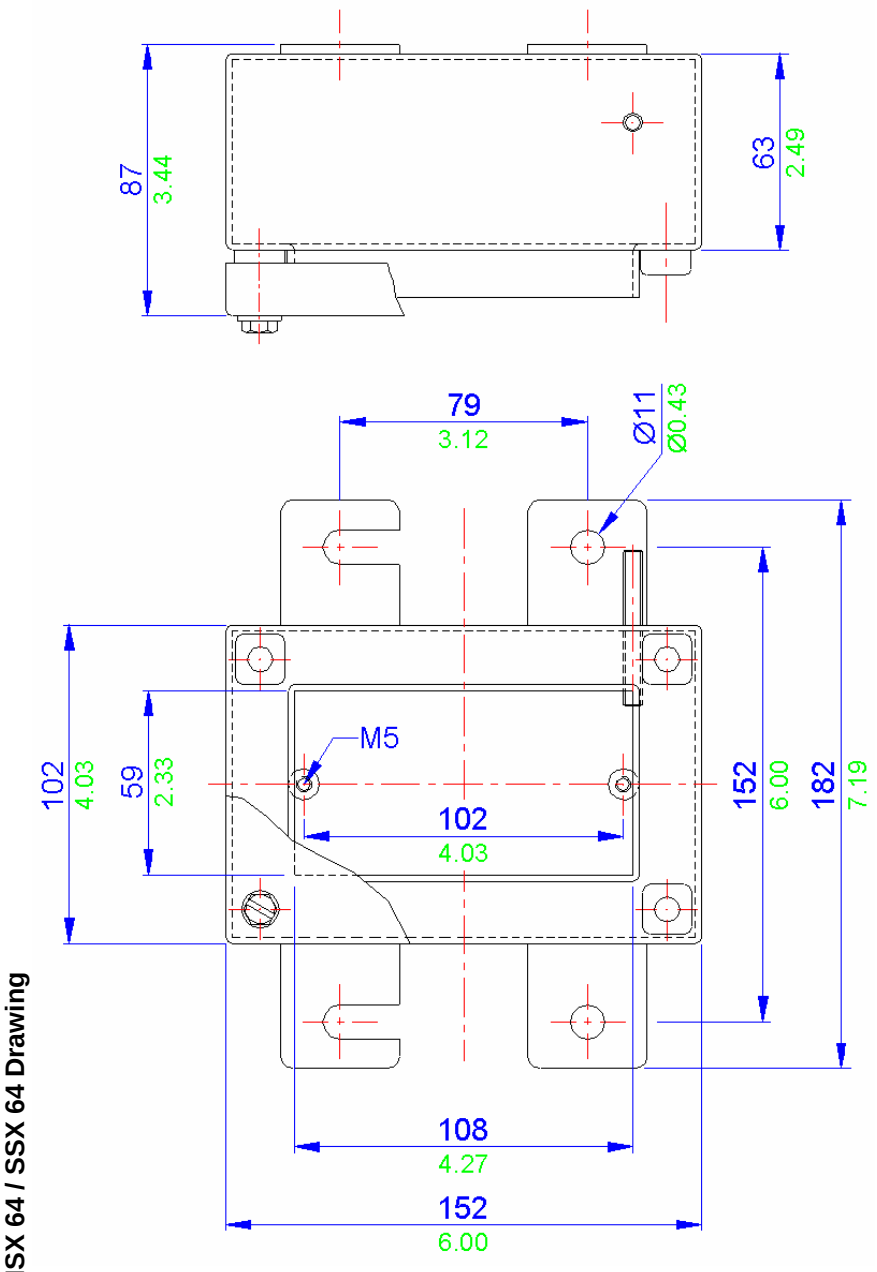
Entry Size	Side A-C	Side B-D
M16	4	4
M20	2	2
M25	2	2
M32	0	0
M40	0	0

Drilling Envelope

Side A-C	114 x 51mm
Side B-D	114 x 51mm



SX 45 Photo



MSX 64 / SSX 64 Drawing

All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 64 / SSX 64 Specifications

Width	102mm
Length	152mm
Depth	63mm
Material	Mild steel
	Stainless steel 316 (1.4404)
Weight	1500g
IP Rating	66 or 67
Temperature	-40º to 80º C (standard neoprene gasket)
	-70º to 130º C (silicone gasket)
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7
	ATEX EEx nA (Zone 2) BS EN 60079-15
	ATEX EEx nR (Zone 2) BS EN 60079-15
	CSA - Ex e (Class 1 Zone 1 & Zone 2)
	FM - AEx e (Class 1 Zone 1 & Zone2)
	GOST-R Ex e (Zone 1 & Zone 2)
	NEMA 4X (CSA, UL & FM) (class 1 division 2)
Power Rating	10.258W

Terminal Populations

Maximum Number of Rows			1
Weidmuller		**Wago**	
SAK 2.5	15	280-992	18
SAK 4	15	280-999	0
SAK 6	11	281-691	15
SAK 10 *	9	281-992	15
SAK 16 *	0	281-993	0
SAK 35	0	282-691	0
SAK 70	0	284-691	0
		283-691	0
		285-691	0
		280-998	18
		281-998	15
		264-120	15
Phoenix		264-220	9
UK 2.5 N	17	264-132 (2)	3
UK 3 N	17	264-134 (4)	2
UK 5 N	15	262-132 (2)	3
UK 10 N *	9	262-134 (4)	2
UK 16 N *	7		
UK 35 N	0		

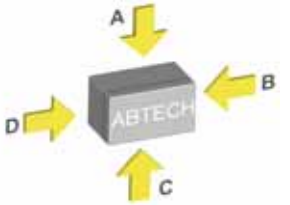
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	6	8
M20	3	4
M25	2	3
M32	1	2
M40	0	0

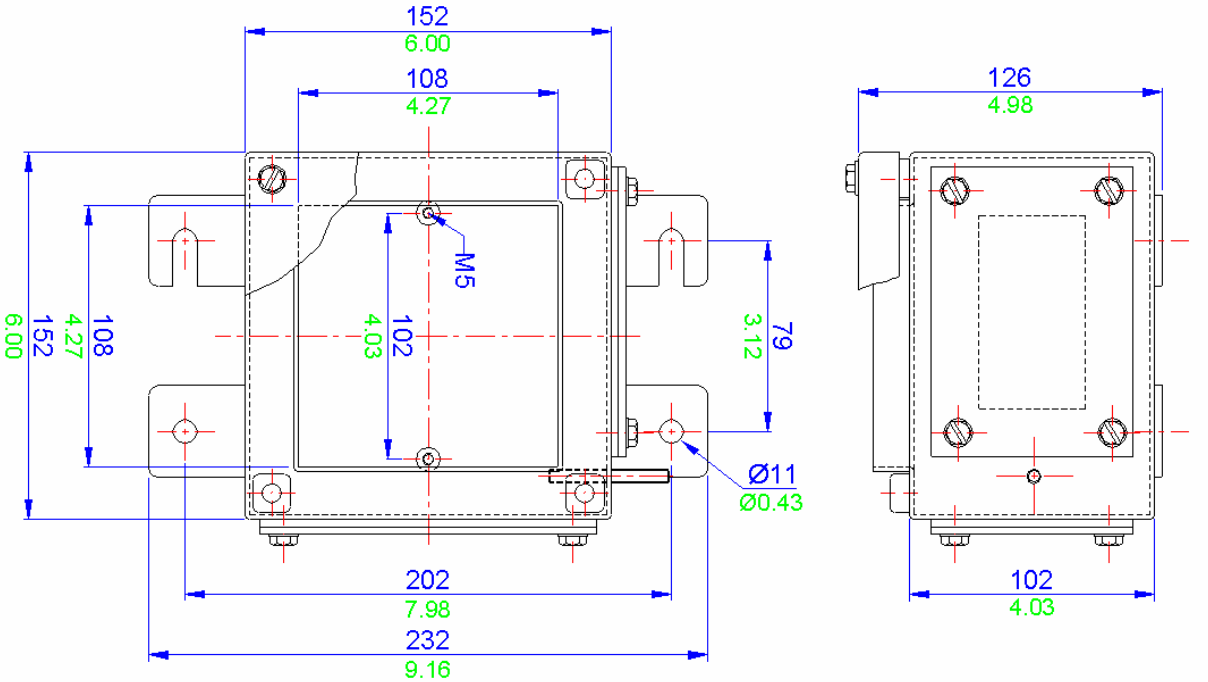
Drilling Envelope

Side A-C	102 x 63mm
Side B-D	152 x 63mm



SX 64 Photo

MSX 66 / SSX 66 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 66 / SSX 66 Specifications

Width	152mm
Length	152mm
Depth	102mm
Material	Mild steel
	Stainless steel 316 (1.4404)
Weight	2200g
IP Rating	66 or 67
Temperature	-40º to 80º C (standard neoprene gasket)
	-70º to 130º C (silicone gasket)
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7
	ATEX EEx nA (Zone 2) BS EN 60079-15
	ATEX EEx nR (Zone 2) BS EN 60079-15
	CSA - Ex e (Class 1 Zone 1 & Zone 2)
	FM - AEx e (Class 1 Zone 1 & Zone2)
	GOST-R Ex e (Zone 1 & Zone 2)
	NEMA 4X (CSA, UL & FM) (class 1 division 2)
Power Rating	14.287W

Terminal Populations

Maximum Number of Rows			1
Weidmuller		**Wago**	
SAK 2.5	15	280-992	18
SAK 4	15	280-999	18
SAK 6	11	281-691	15
SAK 10 *	9	281-992	15
SAK 16 *	7	281-993	15
SAK 35 *	6	282-691	11
SAK 70	0	284-691	10
		283-691	7
		285-691	0
		280-998	18
		281-998	15
		264-120	16
Phoenix		264-220	10
UK 2.5 N	17	264-132 (2)	3
UK 3 N	17	264-134 (4)	2
UK 5 N	14	262-132 (2)	3
UK 10 N *	9	262-134 (4)	2
UK 16 N *	7		
UK 35 N *	6		

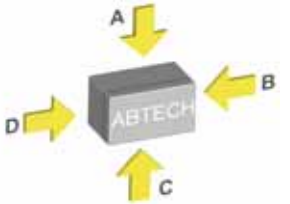
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	14	14
M20	8	8
M25	6	6
M32	3	3
M40	2	2

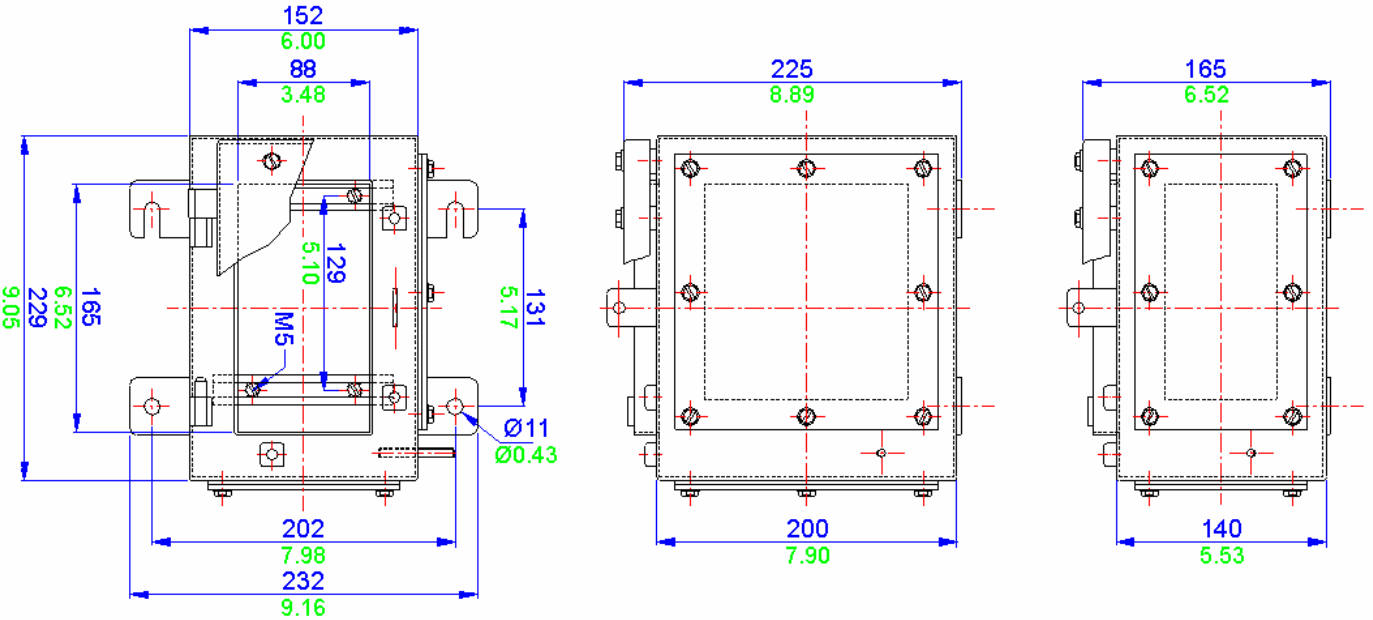
Drilling Envelope

Side A-C	152 x 102mm
Side B-D	152 x 102mm



SX 66 Photo

MSX 0 / SSX 0 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 0 / SSX 0 Specifications

Width	152mm	
Length	229mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 2200g	200mm deep 4000g
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	19.874W	

Terminal Populations

Maximum Number of Rows			1
Weidmuller		**Wago**	
SAK 2.5	21	280-992	24
SAK 4	19	280-999	24
SAK 6	16	281-691	20
SAK 10 *	12	281-992	20
SAK 16 *	10	281-993	20
SAK 35 *	7	282-691 *	15
SAK 70 *	5	284-691 *	12
		283-691	0
		285-691	0
		280-998	24
		281-998	20
		264-120	21
Phoenix		264-220	12
UK 2.5 N	25	264-132 (2)	4
UK 3 N	25	264-134 (4)	3
UK 5 N	21	262-132 (2)	4
UK 10 N *	12	262-134 (4)	3
UK 16 N *	10		
UK 35 N *	8		

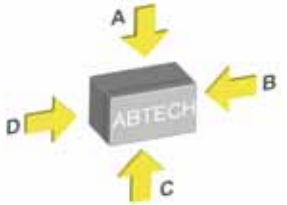
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	5	9
M20	3	6
M25	2	3
M32	1	2
M40	1	2

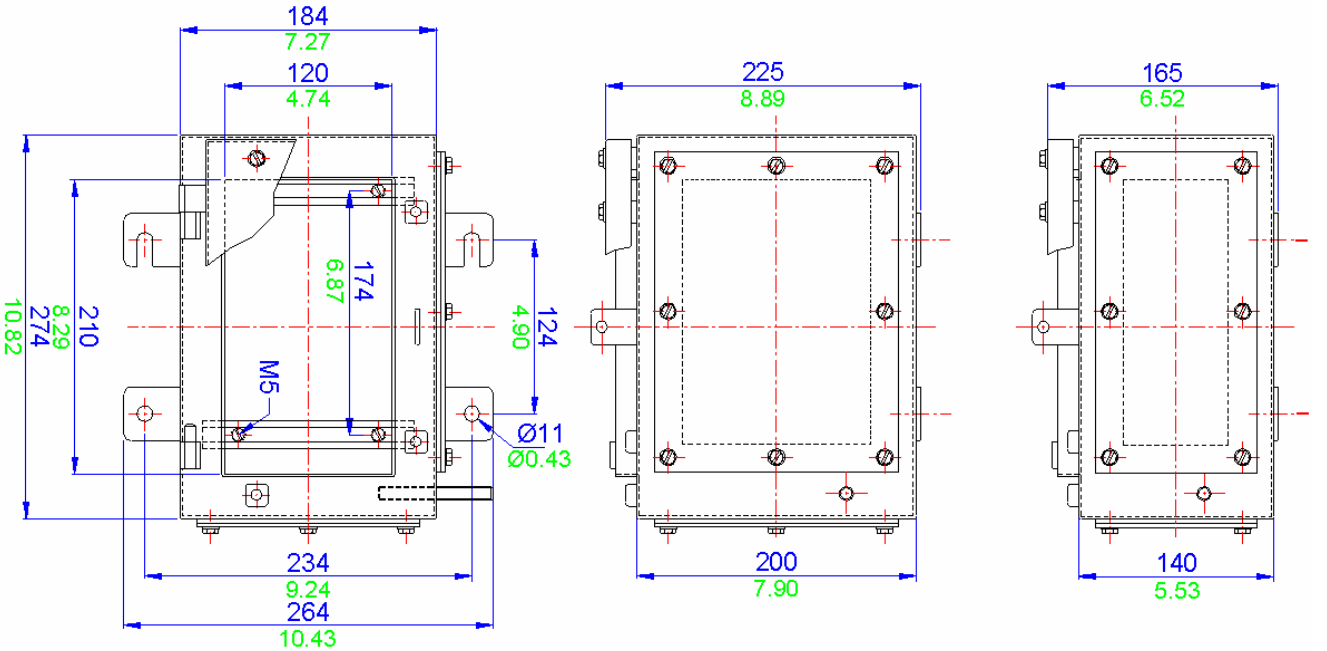
Drilling Envelope

Side A-C	87 x 75mm (4 x gp 140)
Side B-D	144 x 75mm (4 x gp 140)



SX 0 Photo

MSX 0.5 / SSX 0.5 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 0.5 / SSX 0.5 Specifications

Width	184mm	
Length	274mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 5000g	200mm deep 6000g
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	19.874W	

Terminal Populations

Maximum Number of Rows			2
Weidmuller		**Wago**	
SAK 2.5	56	280-992	31
SAK 4	52	280-999	31
SAK 6	42	281-691	27
SAK 10 *	34	281-992	27
SAK 16 *	14	281-993	27
SAK 35 *	10	282-691 *	21
SAK 70 *	7	284-691 *	16
		283-691	28
		285-691	0
		280-998	31
		281-998	27
		264-120	56
Phoenix		264-220	32
UK 2.5 N	68	264-132 (2)	12
UK 3 N	68	264-134 (4)	8
UK 5 N	56	262-132 (2)	12
UK 10 N *	34	262-134 (4)	8
UK 16 N *	14		
UK 35 N *	11		

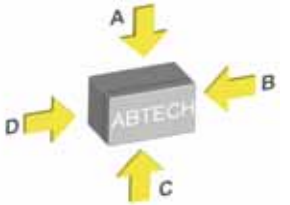
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	7	12
M20	4	8
M25	2	4
M32	2	3
M40	1	2

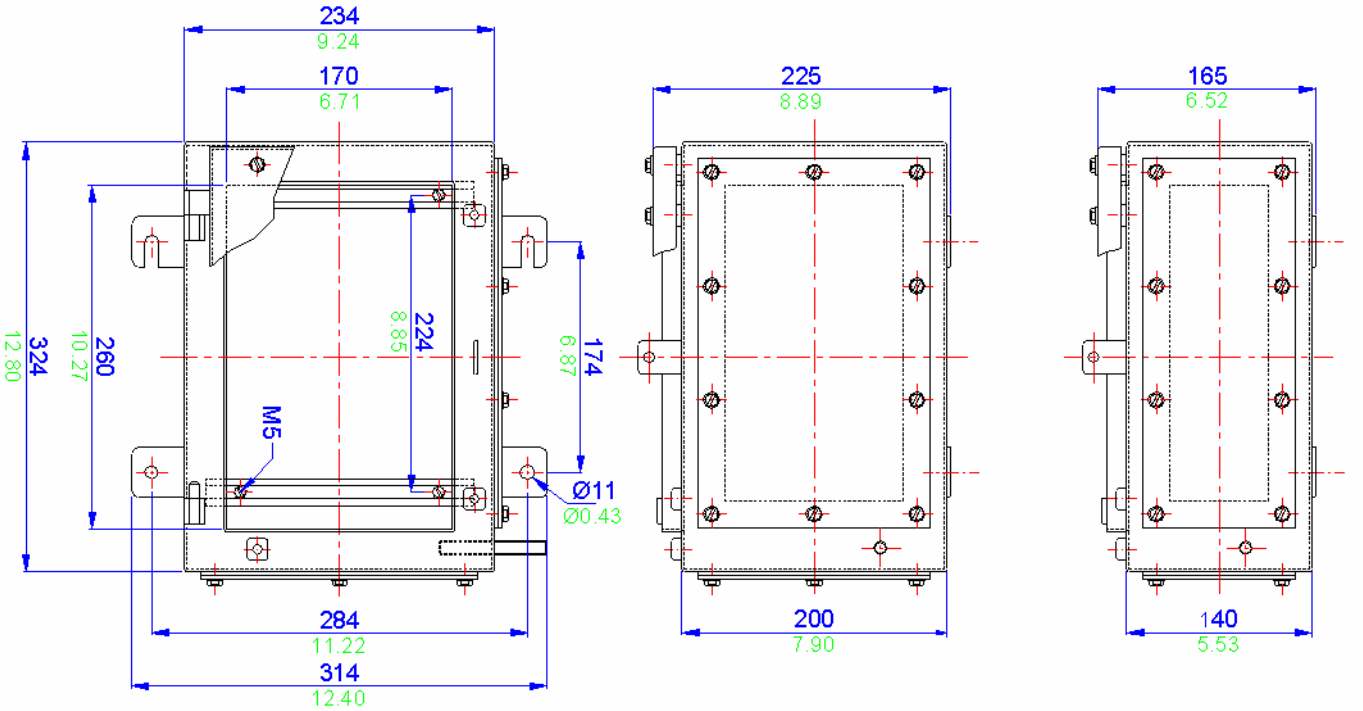
Drilling Envelope

Side A-C	119 x 75mm (4 x gp 140)
Side B-D	189 x 75mm (4 x gp 140)



SX 0.5 Photo

MSX 1 / SSX 1 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 1 / SSX 1 Specifications

Width	234mm	
Length	324mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 6300g	200mm deep 7200g
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	29.206W	

Terminal Populations

Maximum Number of Rows			2
Weidmuller		**Wago**	
SAK 2.5	72	280-992	41
SAK 4	66	280-999	41
SAK 6	54	281-691	34
SAK 10 *	44	281-992	34
SAK 16 *	18	281-993	34
SAK 35 *	14	282-691	27
SAK 70 *	10	284-691 *	21
		283-691 *	18
		285-691 *	12
		280-998	41
		281-998	34
		264-120	72
Phoenix		264-220	42
UK 2.5 N	86	264-132 (2)	14
UK 3 N	86	264-134 (4)	10
UK 5 N	72	262-132 (2)	14
UK 10 N *	44	262-134 (4)	10
UK 16 N *	18		
UK 35 N *	14		

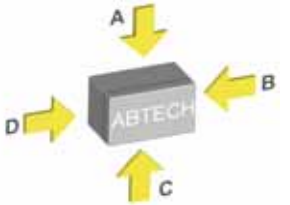
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	10	14
M20	7	10
M25	4	6
M32	2	4
M40	2	3

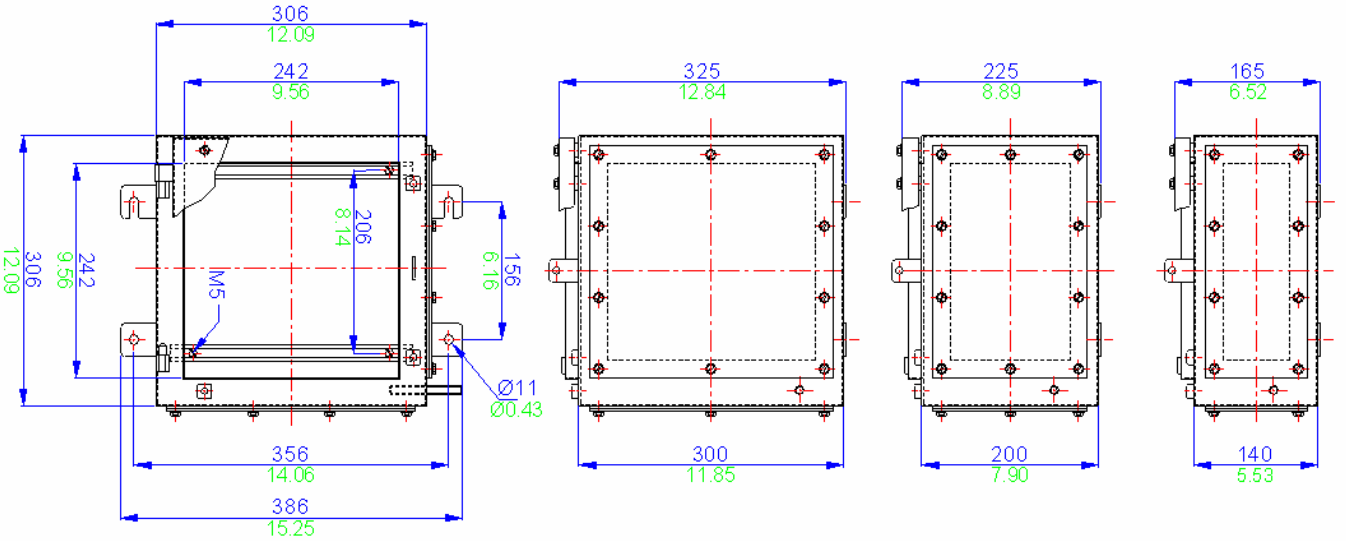
Drilling Envelope

Side A-C	169 x 75mm (4 x gp 140)
Side B-D	239 x 75mm (4 x gp 140)



SX 1 Photo

MSX 1.5 / SSX 1.5 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 1.5 / SSX 1.5 Specifications

Width	306mm	
Length	306mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 7300g	200mm deep 8800g
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	32.284W	

Terminal Populations

Maximum Number of Rows			3
Weidmuller		**Wago**	
SAK 2.5	99	280-992	74
SAK 4	93	280-999	74
SAK 6	75	281-691	64
SAK 10 *	60	281-992	64
SAK 16 *	34	281-993	64
SAK 35 *	24	282-691	48
SAK 70 *	20	284-691 *	38
		283-691 *	32
		285-691 *	11
		280-998	74
		281-998	64
		264-120	99
Phoenix		264-220	60
UK 2.5 N	120	264-132 (2)	21
UK 3 N	120	264-134 (4)	15
UK 5 N	99	262-132 (2)	21
UK 10 N *	60	262-134 (4)	15
UK 16 N *	34		
UK 35 N *	26		

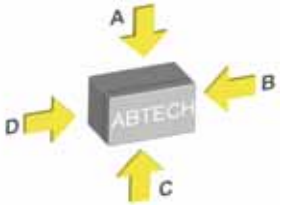
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	14	12
M20	10	10
M25	6	5
M32	4	3
M40	3	3

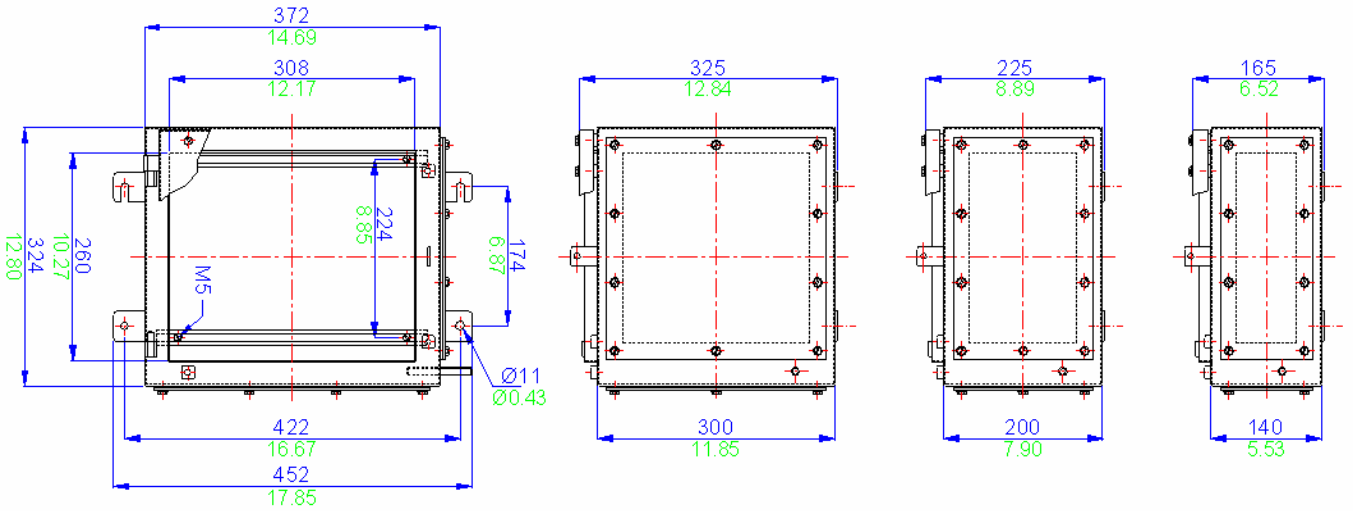
Drilling Envelope

Side A-C	241 x 75mm (4 x gp 140)
Side B-D	221x 75mm (4 x gp 140)



SX 1.5 Photo

MSX 2 / SSX 2 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 2 / SSX 2 Specifications

Width	372mm	
Length	324mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 9.5Kg	200mm deep 11.3Kg
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	36.500W	

Terminal Populations

Maximum Number of Rows			3
Weidmuller		**Wago**	
SAK 2.5	132	280-992	150
SAK 4	123	280-999	150
SAK 6	99	281-691	126
SAK 10	78	281-992	126
SAK 16	66	281-993	84
SAK 35	42	282-691	99
SAK 70	24	284-691 *	78
		283-691 *	44
		285-691 *	30
		280-998	150
		281-998	126
		264-120	132
Phoenix		264-220	78
UK 2.5 N	156	264-132 (2)	27
UK 3 N	156	264-134 (4)	18
UK 5 N	132	262-132 (2)	27
UK 10 N	78	262-134 (4)	18
UK 16 N	66		
UK 35 N	54		

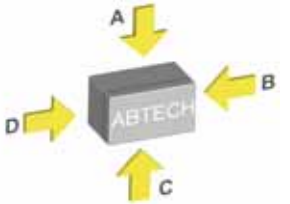
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	18	14
M20	14	10
M25	7	6
M32	5	4
M40	4	3

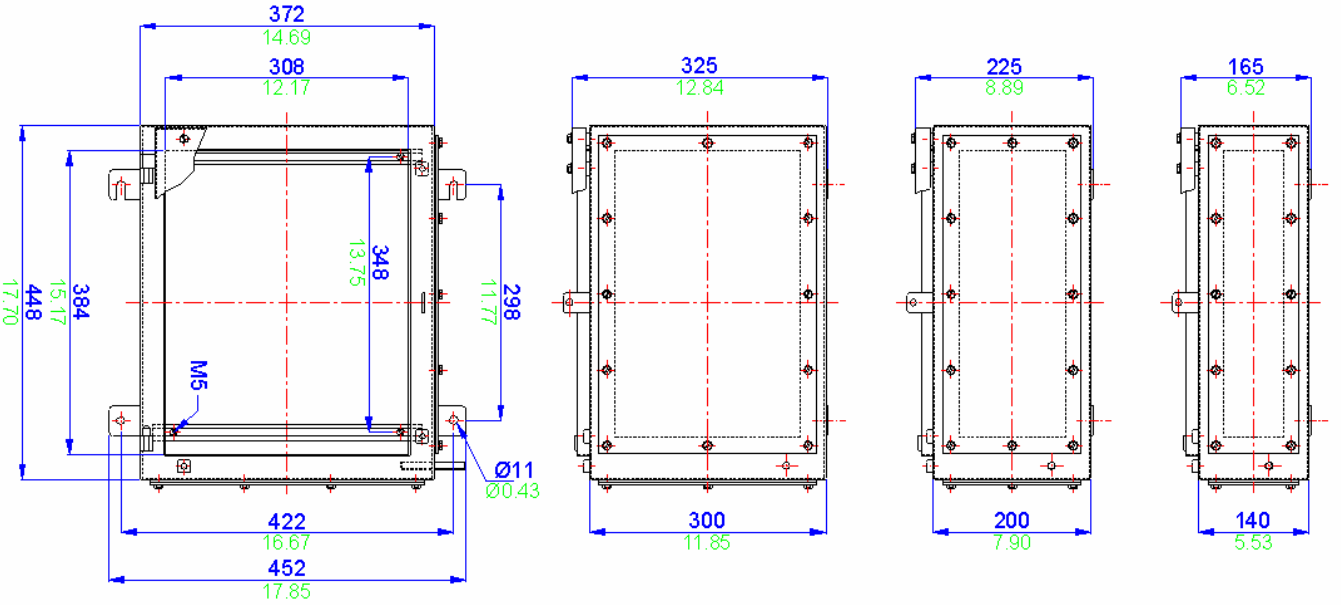
Drilling Envelope

Side A-C	307 x 75mm (4 x gp 140)
Side B-D	239x 75mm (4 x gp 140)



SX 2 Photo

MSX 3 / SSX 3 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 3 / SSX 3 Specifications

Width	372mm	
Length	448mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 11.3Kg	200mm deep 13.3Kg
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	42.289W	

Terminal Populations

Maximum Number of Rows			3
Weidmuller		**Wago**	
SAK 2.5	168	280-992	189
SAK 4	156	280-999	189
SAK 6	126	281-691	162
SAK 10 *	102	281-992	162
SAK 16 *	84	281-993	108
SAK 35 *	63	282-691	126
SAK 70 *	45	284-691 *	99
		283-691 *	56
		285-691 *	38
		280-998	189
		281-998	162
		264-120	168
Phoenix		264-220	99
UK 2.5 N	201	264-132 (2)	36
UK 3 N	201	264-134 (4)	24
UK 5 N	168	262-132 (2)	36
UK 10 N *	102	262-134 (4)	24
UK 16 N *	84		
UK 35 N *	69		

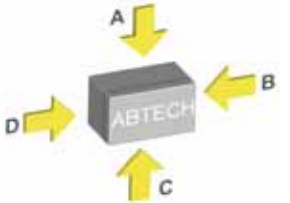
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	18	20
M20	14	16
M25	7	9
M32	5	6
M40	4	5

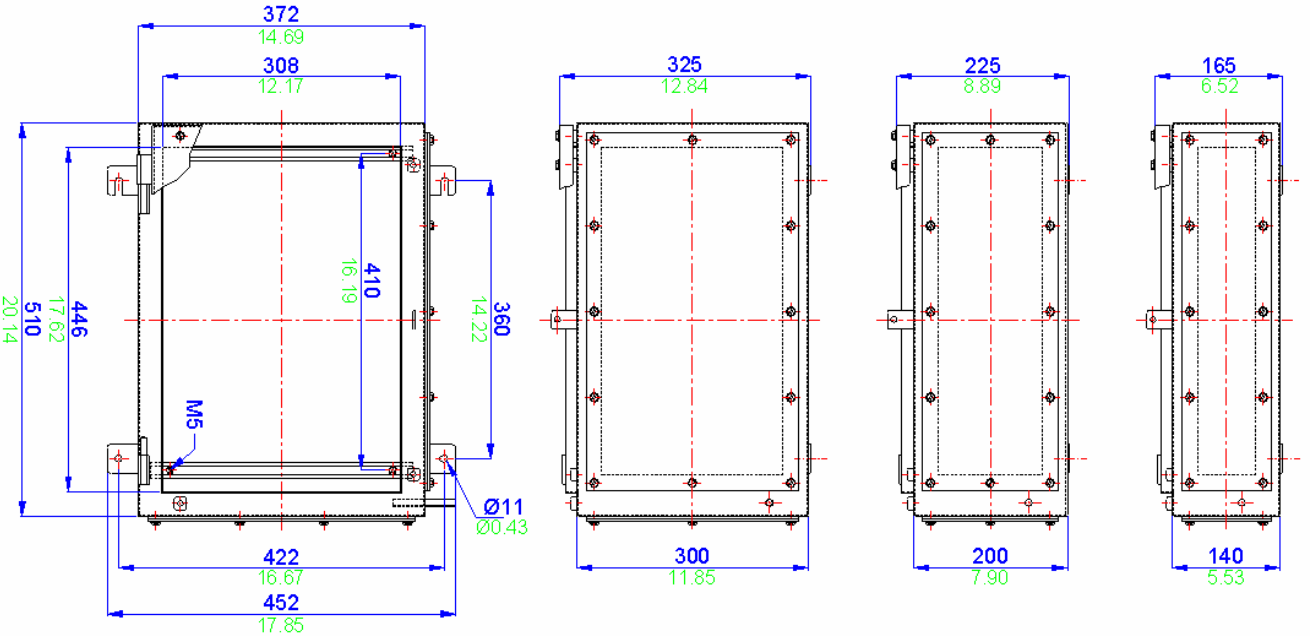
Drilling Envelope

Side A-C	307 x 75mm (4 x gp 140)
Side B-D	363 x 75mm (4 x gp 140)



SX 3 Photo

MSX 4 / SSX 4 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 4 / SSX 4 Specifications

Width	372mm	
Length	510mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 12.7Kg	200mm deep 14.8Kg
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	44.726W	

Terminal Populations

Maximum Number of Rows			3
Weidmuller		**Wago**	
SAK 2.5	198	280-992	222
SAK 4	183	280-999	222
SAK 6	150	281-691	189
SAK 10	120	281-992	189
SAK 16	99	281-993	126
SAK 35	75	282-691	147
SAK 70	54	284-691	117
		283-691	66
		285-691	44
		280-998	222
		281-998	189
		264-120	198
Phoenix		264-220	117
UK 2.5 N	237	264-132 (2)	42
UK 3 N	237	264-134 (4)	30
UK 5 N	198	262-132 (2)	42
UK 10 N	102	262-134 (4)	30
UK 16 N	99		
UK 35 N	81		

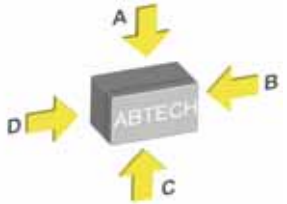
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	18	24
M20	14	20
M25	7	10
M32	5	7
M40	4	6

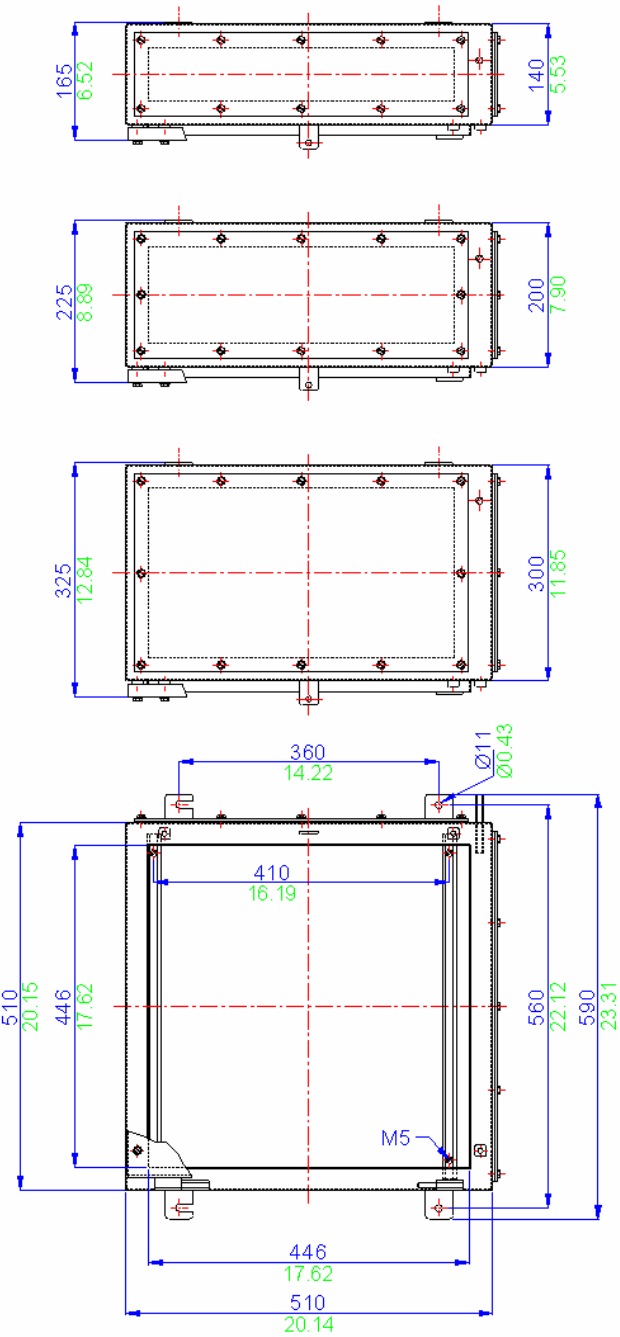
Drilling Envelope

Side A-C	307 x 75mm (4 x gp 140)
Side B-D	425 x 75mm (4 x gp 140)



SX 4 Photo

MSX 5 / SSX 5 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 5 / SSX 5 Specifications

Width	510mm	
Length	510mm	
Depth	140mm or 200mm	
Material	Mild steel	
	Stainless steel 316 (1.4404)	
Weight	140mm deep 17.0Kg	200mm deep 20.0Kg
IP Rating	66 or 67	
Temperature	-40º to 80º C (standard neoprene gasket)	
	-70º to 130º C (silicone gasket)	
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7	
	ATEX EEx nA (Zone 2) BS EN 60079-15	
	ATEX EEx nR (Zone 2) BS EN 60079-15	
	CSA - Ex e (Class 1 Zone 1 & Zone 2)	
	FM - AEx e (Class 1 Zone 1 & Zone2)	
	GOST-R Ex e (Zone 1 & Zone 2)	
	NEMA 4X (CSA, UL & FM) (class 1 division 2)	
Power Rating	50.328W	

Terminal Populations

Maximum Number of Rows			4
Weidmuller		**Wago**	
SAK 2.5	264	280-992	296
SAK 4	244	280-999	296
SAK 6	200	281-691	252
SAK 10	160	281-992	252
SAK 16	132	281-993	189
SAK 35	100	282-691	196
SAK 70	72	284-691	156
		283-691	99
		285-691	66
		280-998	296
		281-998	252
		264-120	264
Phoenix		264-220	156
UK 2.5 N	316	264-132 (2)	56
UK 3 N	316	264-134 (4)	40
UK 5 N	264	262-132 (2)	56
UK 10 N	160	262-134 (4)	40
UK 16 N	132		
UK 35 N	108		

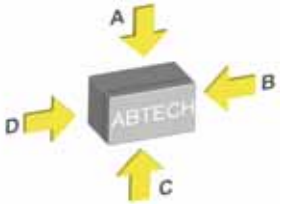
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

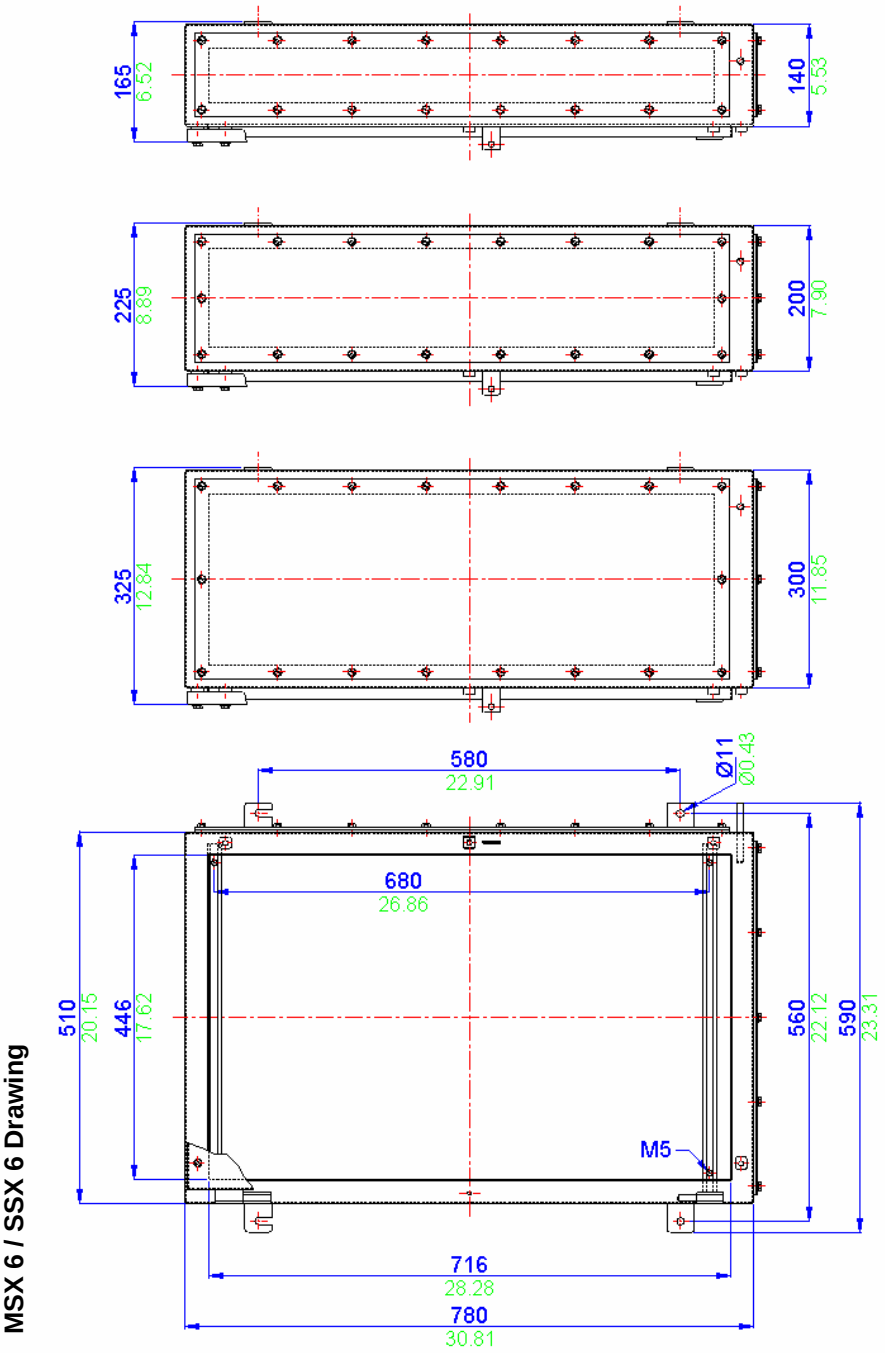
Entry Size	Side A-C	Side B-D
M16	26	24
M20	20	20
M25	10	10
M32	7	7
M40	6	6

Drilling Envelope

Side A-C	445 x 75mm (4 x gp 140)
Side B-D	425 x 75mm (4 x gp 140)



SX 5 Photo



MSX 6 / SSX 6 Drawing

All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 6 / SSX 6 Specifications

Width	510mm		
Length	780mm		
Depth	140mm or 200mm or 300mm		
Material	Mild steel		
	Stainless steel 316 (1.4404)		
Weight	140mm 24.0Kg	200mm 27.0Kg	300mm 32.0Kg
IP Rating	66 or 67		
Temperature	-40º to 80º C (standard neoprene gasket)		
	-70º to 130º C (silicone gasket)		
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7		
	ATEX EEx nA (Zone 2) BS EN 60079-15		
	ATEX EEx nR (Zone 2) BS EN 60079-15		
	CSA - Ex e (Class 1 Zone 1 & Zone 2)		
	FM - AEx e (Class 1 Zone 1 & Zone2)		
	GOST-R Ex e (Zone 1 & Zone 2)		
	NEMA 4X (CSA, UL & FM) (class 1 division 2)		
Power Rating	57.383W		

Terminal Populations

Maximum Number of Rows			4
Weidmuller		**Wago**	
SAK 2.5	440	280-992	496
SAK 4	404	280-999	496
SAK 6	332	281-691	424
SAK 10	264	281-992	424
SAK 16	220	281-993	318
SAK 35	168	282-691	328
SAK 70	120	284-691	264
		283-691	165
		285-691	114
		280-998	496
		281-998	424
		264-120	440
Phoenix		264-220	264
UK 2.5 N	524	264-132 (2)	92
UK 3 N	524	264-134 (4)	64
UK 5 N	440	262-132 (2)	92
UK 10 N	264	262-134 (4)	64
UK 16 N	229		
UK 35 N	176		

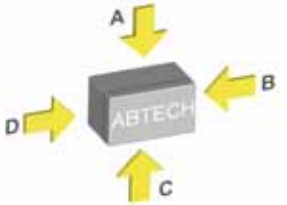
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	26	40
M20	20	34
M25	11	18
M32	7	11
M40	6	9

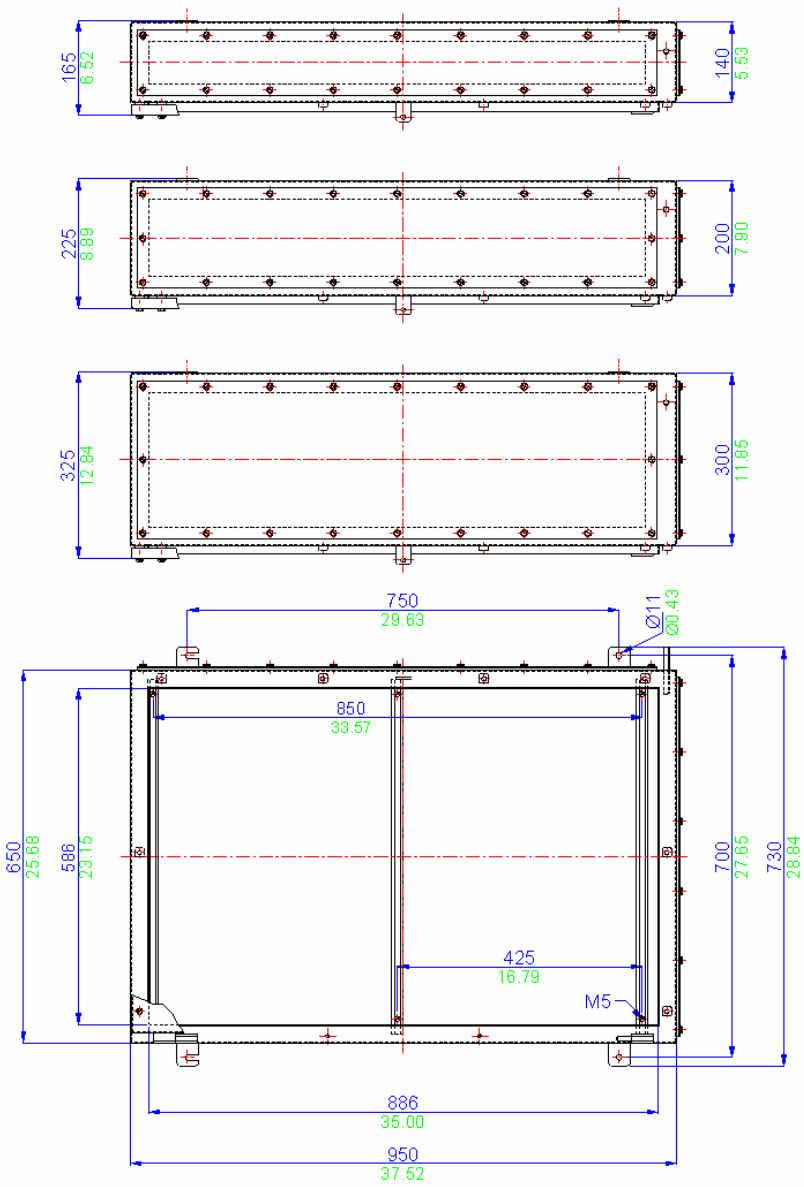
Drilling Envelope

Side A-C	445 x 75mm (4 x gp 140)
Side B-D	695 x 75mm (4 x gp 140)



SX 6 Photo

MSX 7 / SSX 7 Drawing



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 7 / SSX 7 Specifications

Width	650mm		
Length	950mm		
Depth	140mm or 200mm or 300mm		
Material	Mild steel		
	Stainless steel 316 (1.4404)		
Weight	140mm 35.0Kg	200mm 39.0Kg	300mm 52.0Kg
IP Rating	66 or 67		
Temperature	-40º to 80º C (standard neoprene gasket)		
	-70º to 130º C (silicone gasket)		
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7		
	ATEX EEx nA (Zone 2) BS EN 60079-15		
	ATEX EEx nR (Zone 2) BS EN 60079-15		
	CSA - Ex e (Class 1 Zone 1 & Zone 2)		
	FM - AEx e (Class 1 Zone 1 & Zone2)		
	GOST-R Ex e (Zone 1 & Zone 2)		
	NEMA 4X (CSA, UL & FM) (class 1 division 2)		
Power Rating	68.000W		

Terminal Populations

Maximum Number of Rows			5
Weidmuller		**Wago**	
SAK 2.5	685	280-992	775
SAK 4	635	280-999	775
SAK 6	520	281-691	660
SAK 10	415	281-992	660
SAK 16	345	281-993	528
SAK 35	260	282-691	510
SAK 70	150	284-691	410
		283-691	272
		285-691	188
		280-998	775
		281-998	660
		264-120	685
Phoenix		264-220	410
UK 2.5 N	820	264-132 (2)	145
UK 3 N	820	264-134 (4)	100
UK 5 N	685	262-132 (2)	145
UK 10 N	415	262-134 (4)	100
UK 16 N	345		
UK 35 N	280		

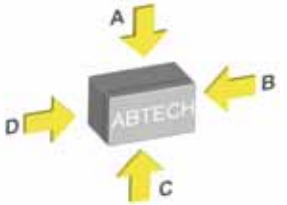
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

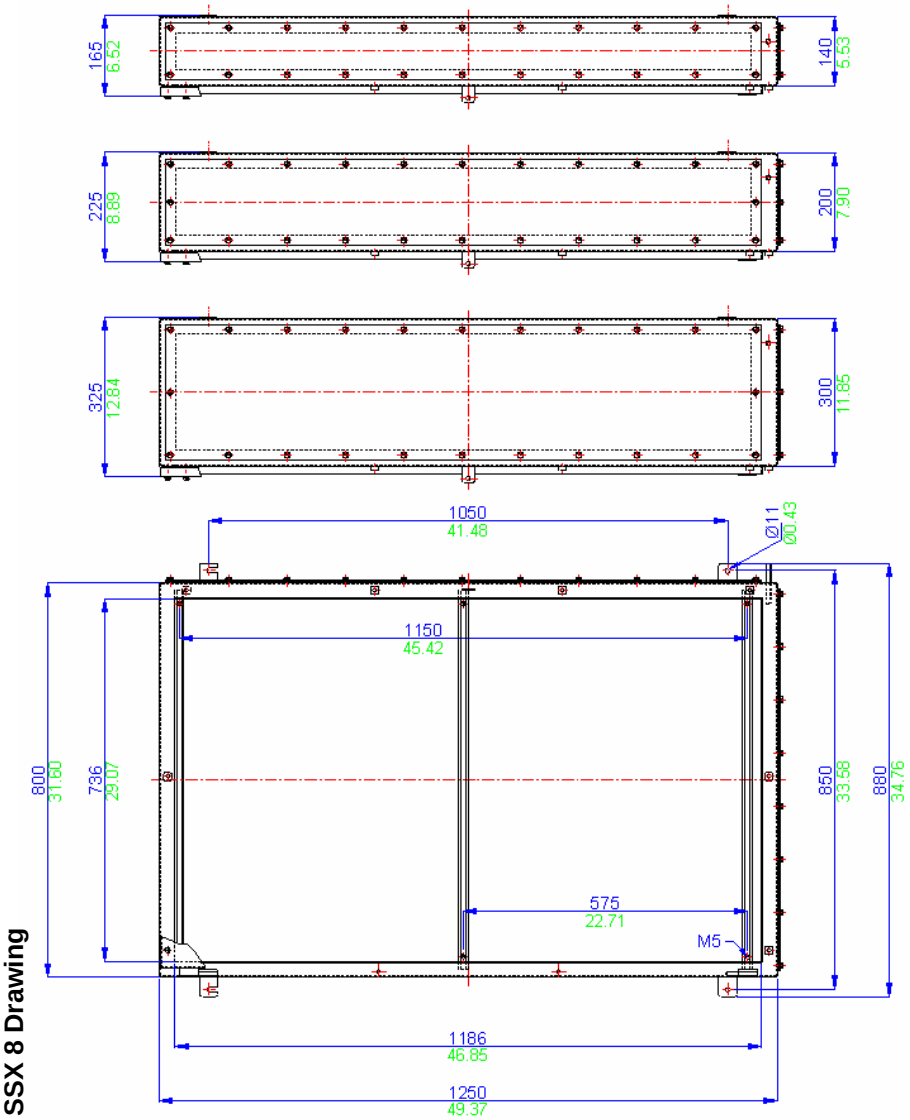
Entry Size	Side A-C	Side B-D
M16	34	81
M20	28	60
M25	13	39
M32	10	28
M40	8	16

Drilling Envelope

Side A-C	585 x 75mm (4 x gp 140)
Side B-D	865 x 75mm (4 x gp 140)



SX 7 Photo



MSX 8 / SSX 8 Drawing

All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

MSX 8 / SSX 8 Specifications

Width	800mm		
Length	1250mm		
Depth	140mm or 200mm or 300mm		
Material	Mild steel		
	Stainless steel 316 (1.4404)		
Weight	140mm 40.0Kg	200mm 52.0Kg	300mm 59.0Kg
IP Rating	66 or 67		
Temperature	-40º to 80º C (standard neoprene gasket)		
	-70º to 130º C (silicone gasket)		
Certification	ATEX EEx e (Zone 1 & Zone 2) BS EN 60079-7		
	ATEX EEx nA (Zone 2) BS EN 60079-15		
	ATEX EEx nR (Zone 2) BS EN 60079-15		
	CSA - Ex e (Class 1 Zone 1 & Zone 2)		
	FM - AEx e (Class 1 Zone 1 & Zone2)		
	GOST-R Ex e (Zone 1 & Zone 2)		
	NEMA 4X (CSA, UL & FM) (class 1 division 2)		
Power Rating	119.462W		

Terminal Populations

Maximum Number of Rows			5
Weidmuller		**Wago**	
SAK 2.5	1295	280-992	775
SAK 4	635	280-999	775
SAK 6	520	281-691	660
SAK 10	415	281-992	660
SAK 16	345	281-993	528
SAK 35	260	282-691	510
SAK 70	150	284-691	410
		283-691	272
		285-691	188
		280-998	775
		281-998	660
		264-120	685
Phoenix		264-220	410
UK 2.5 N	820	264-132 (2)	145
UK 3 N	820	264-134 (4)	100
UK 5 N	685	262-132 (2)	145
UK 10 N	415	262-134 (4)	100
UK 16 N	345		
UK 35 N	280		

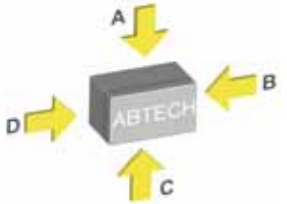
* Care must be taken to ensure that the size of this enclosure can accommodate the cable bending radius.

Entry Matrix

Entry Size	Side A-C	Side B-D
M16	42	66
M20	36	58
M25	18	30
M32	12	20
M40	10	17

Drilling Envelope

Side A-C	735 x 75mm
Side B-D	1165 x 75mm



SX 8 Photo

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