

SXCS S/Steel Control Stations

IP65/66

Application

Industrial and Hazardous areas

Protection Degree

IP66 (IP65 when fitted with an ammeter)

Certification

ATEX & IECEx

Ex e II T4 or Ex ed IIC T4

Material

Stainless Steel 316 (1.4404)

Configuration options (see typical layout drawings overleaf)

Part Number	Dimensions (mm)	Max. Power Dissipation (W)	Maximum Populations		
			Operators Only	Ammeters Only	Operators & Ammeters
SXCS66	152x152x102	4	1 x Op	N/A	N/A
SXCS0	152x229x140	5.5	2 x Op	N/A	N/A
SXCS0.5	184x274x140	6	3 x Op	2 x Am	1 x Op, 1 x Am
SXCS1	234x324x140	8	8 x Op	2 x Am	2 x Op, 2 x Am
SXCS1.5	306x306x140	9	9 x Op	4 x Am	6 x Op, 2 x Am
SXCS2	372x324x140	10	9 x Op	4 x Am	6 x Op, 2 x Am
SXCS3	372x448x140	12	12 x Op	12 x Am	6 x Op, 2 x Am
SXCS4	372x510x140	12.5	Details available upon request		
SXCS5	510x510x140	14			
SXCS6	510x780x140	16			
SXCS7	650x950x140	19.5			
SXCS8	800x1250x140	34			

Op = Operator (Push Button, E-Stop, Indicator Lamp or Selector Switch) - Allow 1W power dissipation per operator

Am = Ammeter - Allow 0.5W power dissipation per ammeter

Available operator, ammeter and terminal types (see parts list overleaf)

Push Button	Momentary, 1NC/1NO, 2NC or 2NO contacts. Coloured/marked inserts as required
Emergency Stop	Push-Pull, 1NC/1NO, 2NC or 2NO contacts. Red/yellow mushroom head
Mushroom Head	Push-Pull, 1NC/1NO, 2NC or 2NO contacts. Colour: black. Optional key release
Key Release Push Button	1NC/1NO, 2NC or 2NO contacts. Colour: black
Indicator Lamp	Red/green/yellow/blue or white available
Illuminated Push Button	Red/green/yellow/blue or white available. Available with 1NC or 1NO contacts
Selector Switch	2 or 3 position. 2-pole contact configurations and label inserts to suit application Small switch handle (39mm dia) as standard. Large handle (60mm dia) also available
Ammeter	Direct measuring with x2 overload scale (max scale: 0-15A/30A) 1A or 5A current transformer with x2 or x5 overload scale (max scale: 0-600A/3000A)
Terminals	Direct termination as standard, 2.5/4mm ² Ex screw terminals fitted where requested

Maximum cable entries

	Top face c/w removable gland plate				Bottom face c/w removable gland plate			
	M20	M25	M32	M40	M20	M25	M32	M40
SXCS66	8	6	3	2	8	6	3	2
SXCS0	2	1	1	1	2	1	1	1
SXCS0.5	4	2	2	1	4	2	2	1
SXCS1	6	3	2	2	6	3	2	2
SXCS1.5	10	5	4	3	10	5	4	3
SXCS2	14	6	5	4	14	6	5	4
SXCS3	12	7	5	4	12	7	5	4
SXCS4	14	6	5	4	14	6	5	4
SXCS5	20	10	7	6	20	10	7	6
SXCS6	20	10	7	6	20	10	7	6
SXCS7	28	14	10	8	28	14	10	8
SXCS8	36	18	12	10	36	18	12	10

Ordering information

Example Order Code:

SXCS1.5/[6-2]/[P1P2P3P4P6A1A2]/[T]

P1 = P1 71 03

P2 = P3 70

P3 = K8 70 05

P4 = P1 71 23

P6 = K4 70 03

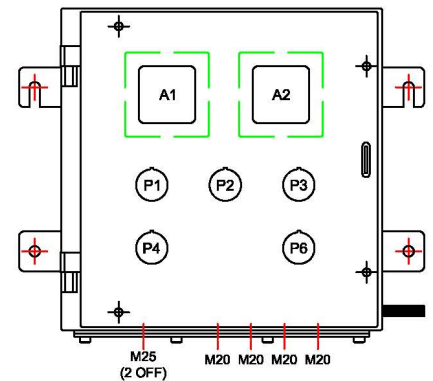
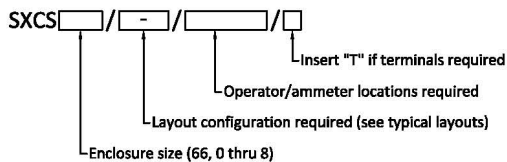
A1 = M7WA 25 / 5-2

A2 = M7WA 50 / 5-2

T = 32 x SAK 2.5 Ex

ENTRIES = 2 x 25.5mm, 4 x 20.5mm bottom side

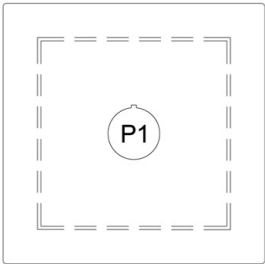
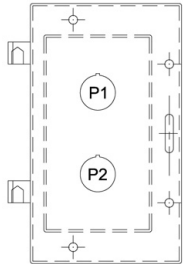
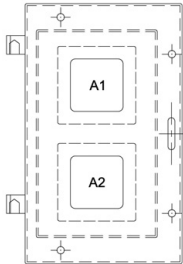
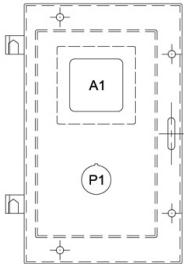
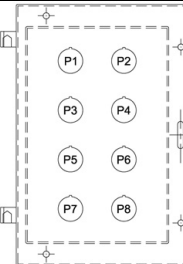
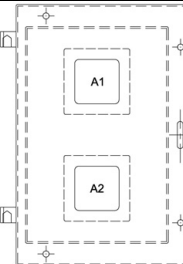
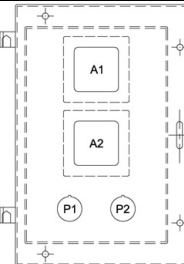
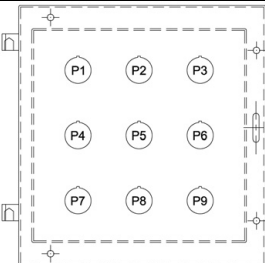
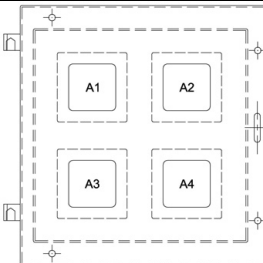
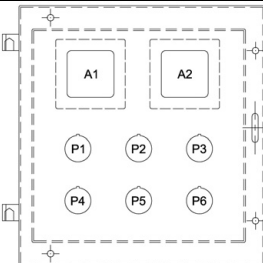
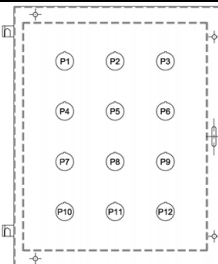
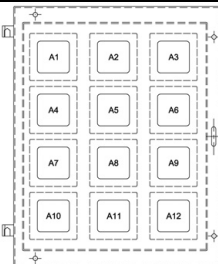
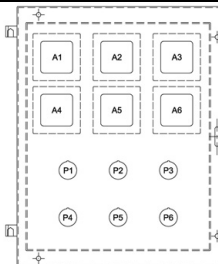
- SXCS1.5 control station (306x306x140mm), fitted with:
- 1 off Momentary pushbutton, 2NC contacts, green "ON" label insert
 - 1 off Push-Pull mushroom head emergency stop, 1NC/1NO contacts
 - 1 off 3-position selector switch, "0 - I" label insert
 - 1 off Momentary pushbutton, 2NC contacts, red "OFF" label insert
 - 1 off 3-position selector switch, "0 | II" label insert
 - 1 off 5A ammeter for connection to CT, 0-25A measuring scale with x2 overload scale (50A)
 - 1 off 5A ammeter for connection to CT, 0-50A measuring scale with x2 overload scale (50A)
 - 32 off SAK 2.5 Ex terminals rail mounted
 - 2 off 25.5mm & 4 off 20.5mm entries in gland plate on bottom side of enclosure



Electrical data

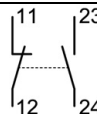
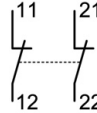
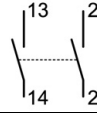
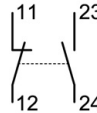
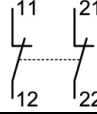
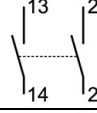
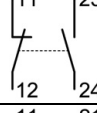
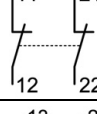
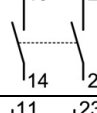
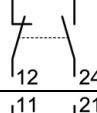
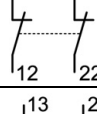
Push Button Emergency Stop Mushroom Head Key Release Push Button	Utilization category (per BS EN 60947-1)	AC12	AC15	DC13	DC13
	Rated voltage	250V	250V	110V	24V
	Rated current	16A	10A	0.5A	1A
	Maximum ambient temperature	+40°C	+60°C	+60°C	+60°C
Indicator Lamp	Suitable for 24-240Vac / 24-36Vdc supply. Alternative supply option: 220-380Vac				
Illuminated Push Button	Utilization category (per BS EN 60947-1)	AC15		DC13	
	Rated voltage	250V		24V	
	Rated current	6A		1A	
	Maximum ambient temperature	+60°C		+60°C	
Terminals	Lamp suitable for 24-240Vac / 24-36Vdc supply				
	Terminal type	AKZ 2.5	AKZ 4	SAK 2.5	SAK 4
	Maximum cable size	2.5mm ²	4mm ²	2.5mm ²	4mm ²
	Maximum voltage	176V	275V	550V	550V
	Maximum current	21A	28A	21A	28A

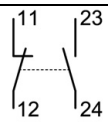
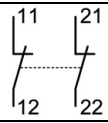
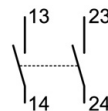
Contact details

OPERATORS ONLY	AMMETERS ONLY	OPERATORS & AMMETERS
 SXCS66/1-0		
 SXCS0/2-0		
 SXCS0.5/3-0	 SXCS0.5/0-2/****	 SXCS0.5/1-1
 SXCS1/8-0/****	 SXCS1/0-2	 SXCS1/2-2/****
 SXCS1.5/9-0/****	 SXCS1.5/0-4/****	 SXCS1.5/6-2/****
 SXCS3/12-0/****	 SXCS3/0-12/****	 SXCS3/6-6/****

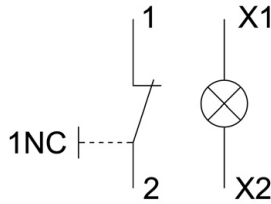
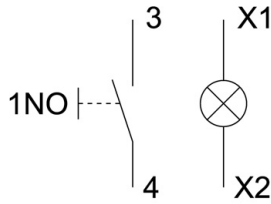
PARTS LIST

Control Stations

Part Code		Part Description	Contact Configuration				Typical Part Image			
ABCS/SXCS	COP170xx	P1 Push button, 1NC/1NO contacts			1NC/1NO					
PCS	COP160xx									
ABCS/SXCS	COP171xx	P1 Push button, 2NC contacts			2NC					
PCS	COP161xx									
ABCS/SXCS	COP172xx	P1 Push button, 2NO contacts			2NO					
PCS	COP162xx									
		CODE	LEGEND	LABEL COLOUR	TEXT COLOUR	CODE	LEGEND	LABEL COLOUR	TEXT COLOUR	
		01	"BLANK"	Green	N/A	41	"BLANK"	White	N/A	
		02	I	Green	White	42	II	White	Black	
		03	ON	Green	White	43	↑	White	Black	
		04	START	Green	White	44	START	White	Black	
		21	"BLANK"	Red	N/A	45	STOP	White	Red	
		22	O	Red	White	46	FW	White	Black	
		23	OFF	Red	White	47	BW	White	Black	
		24	STOP	Red	White	49	↑↑	White	Black	
		61	"BLANK"	Yellow	N/A	81	"BLANK"	Black	N/A	
		62	II	Yellow	White					
		ABCS/SXCS	COP370	P3 E-stop mushroom head, 1NC/1NO contacts			1NC/1NO			
PCS	COP360									
ABCS/SXCS	COP371	P3 E-stop mushroom head, 2NC contacts			2NC					
PCS	COP361									
ABCS/SXCS	COP372	P3 E-stop mushroom head, 2NO contacts			2NO					
PCS	COP362									
ABCS/SXCS	COY070	E-stop mushroom head, key release, 1NC/1NO contacts			1NC/1NO					
PCS	COY060									
ABCS/SXCS	COY071	E-stop mushroom head, key release, 2NC contacts			2NC					
PCS	COY061									
ABCS/SXCS	COY072	E-stop mushroom head, key release, 2NO contacts			2NO					
PCS	COY062									
ABCS/SXCS	COP470	P4 Black mushroom head, 1NC/1NO contacts			1NC/1NO					
PCS	COP460									
ABCS/SXCS	COP471	P4 Black mushroom head, 2NC contacts			2NC					
PCS	COP461									
ABCS/SXCS	COP472	P4 Black mushroom head, 2NO contacts			2NO					
PCS	COP462									

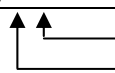
Part Code		Part Description	Contact Configuration	Typical Part Image
ABCS/SXCS	COY170	Push button, key release, 1NC/1NO contacts	 1NC/1NO	
PCS	COY160			
ABCS/SXCS	COY171	Push button, key release, 2NC contacts	 2NC	
PCS	COY161			
ABCS/SXCS	COY172	Push button, key release, 2NO contacts	 2NO	
PCS	COY162			

Part Code		Part Description	Voltage Range	Typical Part Image
ABCS/SXCS	CLLR7R1	Indicator lamp, Red	24 - 240VAC 24 - 36VDC	
PCS	CLLR6R1	(24-240Vac, 24-35Vdc)		
ABCS/SXCS	CLLG7G1	Indicator lamp, Green		
PCS	CLLG6G1	(24-240Vac, 24-35Vdc)		
ABCS/SXCS	CLLY7Y1	Indicator lamp, Yellow		
PCS	CLLY6Y1	(24-240Vac, 24-35Vdc)		
ABCS/SXCS	CLLB7B1	Indicator lamp, Blue		
PCS	CLLB6B1	(24-240Vac, 24-35Vdc)		
ABCS/SXCS	CLLW7W1	Indicator lamp, White		
PCS	CLLW6W1	(24-240Vac, 24-35Vdc)		
ABCS/SXCS	CLLR7R2	Indicator lamp, Red	220 - 380VAC	
PCS	CLLR6R2	(220-380Vac)		
ABCS/SXCS	CLLG7G2	Indicator lamp, Green		
PCS	CLLG6G2	(220-380Vac)		
ABCS/SXCS	CLLY7Y2	Indicator lamp, Yellow		
PCS	CLLY6Y2	(220-380Vac)		
ABCS/SXCS	CLLB7B2	Indicator lamp, Blue		
PCS	CLLB6B2	(220-380Vac)		
ABCS/SXCS	CLLW7W2	Indicator lamp, White		
PCS	CLLW6W2	(220-380Vac)		

Part Code		Part Description	Contact Configuration/Voltage Range	Typical Part Image
ABCS/SXCS	COPR73R1	Illuminated PB, Red (1NC)	 1NC 24 - 240VAC 24 - 36VDC	
PCS	COPR63R1			
ABCS/SXCS	COPG73G1	Illuminated PB, Green (1NC)		
PCS	COPG63G1			
ABCS/SXCS	COPY73Y1	Illuminated PB, Yellow (1NC)		
PCS	COPY63Y1			
ABCS/SXCS	COPB73B1	Illuminated PB, Blue (1NC)		
PCS	COPB63B1			
ABCS/SXCS	COPW73W1	Illuminated PB, White (1NC)		
PCS	COPW63W1			
ABCS/SXCS	COPR74R1	Illuminated PB, Red (1NO)	 1NO 24 - 240VAC 24 - 36VDC	
PCS	COPR64R1			
ABCS/SXCS	COPG74G1	Illuminated PB, Green (1NO)		
PCS	COPG64G1			
ABCS/SXCS	COPY74Y1	Illuminated PB, Yellow (1NO)		
PCS	COPY64Y1			
ABCS/SXCS	COPB74B1	Illuminated PB, Blue (1NO)		
PCS	COPB64B1			
ABCS/SXCS	COPW74W1	Illuminated PB, White (1NO)		
PCS	COPW64W1			

Part Code		Part Description	Label	Contact Schematic	Typical Part Image
ABCS/SXCS	COK47003	3-position small handle, self-reset, "0-I-II"			
PCS	COK46003				
ABCS/SXCS	COK47204	3-position small handle, self-reset, "I-0-II"			
PCS	COK46204				
ABCS/SXCS	COK57204	3-position small handle, self-lock, "I-0-II"			
PCS	COK56204				
ABCS/SXCS	COK57003	3-position small handle, self-lock, "0-I-II"			
PCS	COK56003				
ABCS/SXCS	COK67201	2-position small handle, self-lock, "0-I"			
PCS	COK66201				
ABCS/SXCS	COK67002	2-position small handle, self-lock, "I-II"			
PCS	COK66002				
ABCS/SXCS	COK87005	3-position small handle, self-lock/reset, "0-•-I"			
PCS	COK86005				

Part Code		Measuring Method	Measuring Range	Overload Scale	Typical Part Image
ABCS/SXCS	CAM7WAxx/1-2	1A CT	See below	x2	
PCS	CAM6WAxx/1-2	1A CT		x2	
ABCS/SXCS	CAM7WAxx/1-5	5A CT		x5	
PCS	CAM6WAxx/1-5	5A CT		x5	
ABCS/SXCS	CAM7WAxx/5-2	1A CT		x2	
PCS	CAM6WAxx/5-2	1A CT		x2	
ABCS/SXCS	CAM7WAxx/5-5	5A CT		x5	
PCS	CAM6WAxx/5-5	5A CT		x5	
AMMETER SCALES -					
CACZ0205-0-1A/□-□		1A or 5A current transformer	0--1A	2A or 5A	
CACZ0205-0-2.5A/□-□			0--2.5A	5A or 12.5A	
CACZ0205-0-5A/□-□			0--5A	10A or 25A	
CACZ0205-0-15A/□-□			0--15A	30A or 75A	
CACZ0205-0-25A/□-□			0--25A	50A or 125A	
CACZ0205-0-40A/□-□			0--40A	80A or 200A	
CACZ0205-0-50A/□-□			0--50A	100A or 250A	
CACZ0205-0-60A/□-□			0--60A	120A or 300A	
CACZ0205-0-75A/□-□			0--75A	150A or 375A	
CACZ0205-0-100A/□-□			0--100A	200A or 500A	
CACZ0205-0-150A/□-□			0--150A	300A or 750A	
CACZ0205-0-200A/□-□			0--200A	400A or 1000A	
CACZ0205-0-250A/□-□			0--250A	500A or 1250A	
CACZ0205-0-300A/□-□			0--300A	600A or 1500A	
CACZ0205-0-400A/□-□			0--400A	800A or 2000A	
CACZ0205-0-500A/□-□			0--500A	1000A or 2500A	
CACZ0205-0-600A/□-□			0--600A	1200A or 3000A	


 "2" or "5" (x2 or x5 overload scale)
 "1" or "5" (1A or 5A current transformer)