

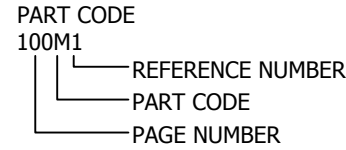


<p>Customer name: -</p> <p>Customer number: -</p> <p>Country: The Netherlands</p> <p>Language: English</p>	
<p>Project Name: -</p> <p>Project Number: -</p> <p>Product: CONTROL BOX SECC Ex II 2D</p> <p>Item number: SCBAS23007</p>	
<p>Designer: MV</p> <p>Design date: 21-08-2019</p> <p>Revision number: C</p> <p>Status: Released</p>	<p>Supply Voltage: 230VAC</p> <p>Nominal Power: ..kW</p> <p>Max. supply Current: 2A</p> <p>Control Voltage: 24VDC</p>
<p>Total pages: 013</p>	

# General specifications

PAGE NUMBERING	
1	Front page
2	Project specifications
10	Drawing list
100	Main circuit
150	Power supplies
200	Control circuit
300	-
400	PLC overview
500	PLC I/O
600	-
700	-
800	Spare connections
900	Bill of material
910	Components list
950	Terminal plan

TERMINAL NUMBERING	
X0	Main supply
X1	Main power
X2	Control voltage 230VAC
X3	Control voltage 24Vac
X4	Control voltage 24Vdc
X5	Analog signals
X6	External supply
X7	EEx i
X8	?
X9	?



COLOR CODE INTERNAL WIRING		
Main current 400/230V	Phase	Black
	Neutral	Lightblue
	Earth	Yellow/Green
Control voltage 230Vac	Phase	Red
	Switch wire	Red
	Neutral	Red/White
Control voltage 24Vac	Phase (L)	Yellow
	Switch wire	Yellow
	Neutral (N)	Yellow
Control voltage 24Vdc	Phase (+)	Darkblue
	Switch wire	Darkblue
	Neutral (-)	Darkblue/White
Measurement		Grey
External supply (Potential free contacts)		Orange
EEx i		Blue

# Drawing list

Installation	Location	Page	Description 1	Description 2	Description 3
		001	Front page		
		002	Project specification		
		010	Drawing list		
		100	Main Switch		
		110	Power supplies		
		400	PLC overview		
		500	PLC I/O Siemens 6ED1052-1HB08-0BA0 DI	Digital inputs	
		501	PLC I/O Siemens 6ED1052-1HB08-0BA0 DO	Digital outputs	
		800	Spare connections		
		900	Bill of material		
		910	Components list		
		950	Terminal plan		
		990	Text plate		



Control Power  
 100-230VAC +PE / 50Hz  
 Fuse max. 16A

Designer: MV
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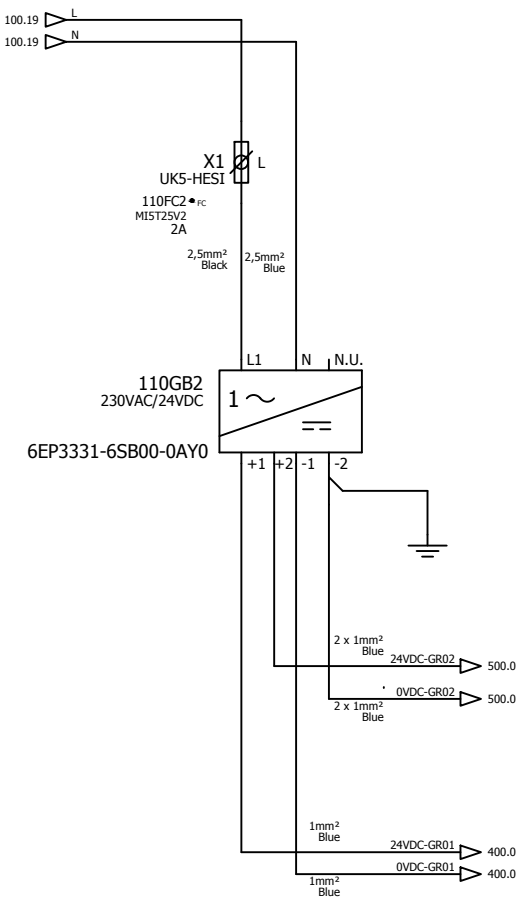
Project name : -
Project number : -
Customer: -
Customer number: -



Product: CONTROL BOX SECC Ex II 2D
Item number: SCBAS23007
Doc. number: SCBAS23007_Page-100.dwg

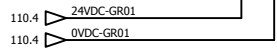
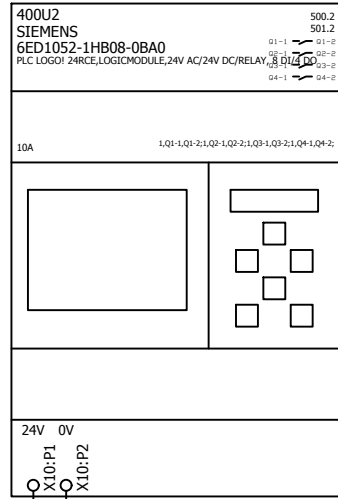
Drawing descr.: Main Switch
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Sheet: 100
Inst.:
Loc.:



Control Power  
24Vdc





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Design date: 21-08-2019  
Rev. nr.: C  
Status: Released

Project name : -  
Project number : -  
Customer: -  
Customer number: -

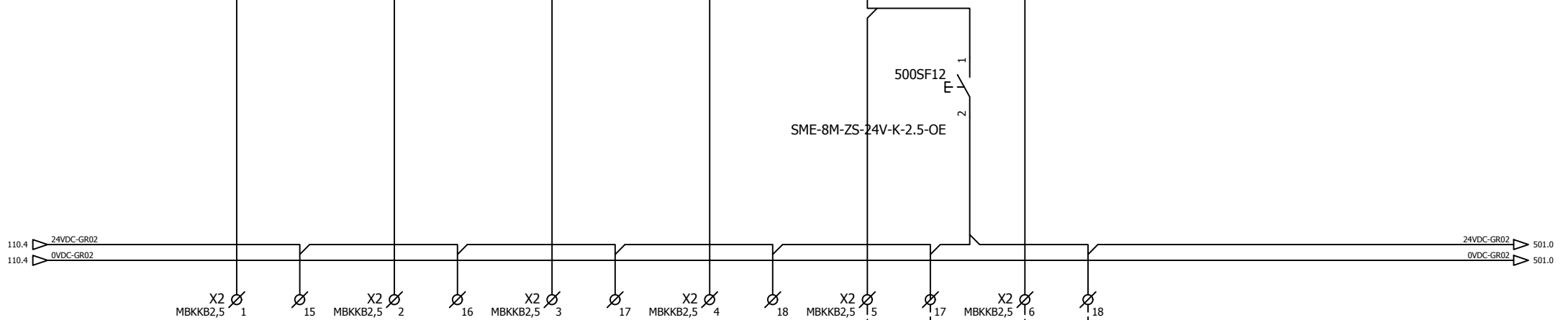
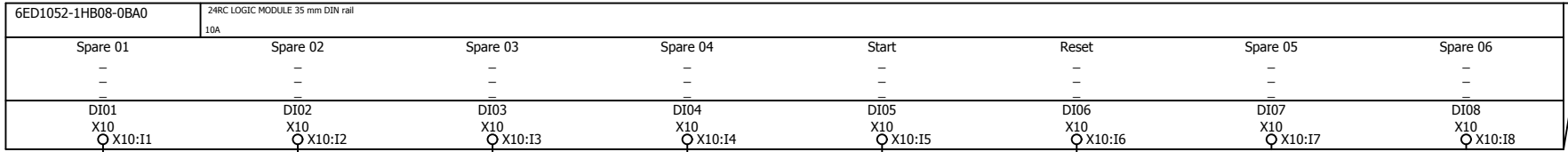


Product: CONTROL BOX SECC Ex II 2D  
Item number: SCBAS23007  
Doc. number: SCBAS23007\_Page-400.dwg

Drawing descr.: PLC overview

Sheet: 400  
Inst.:  
Loc.:

400U2  
400.2



SPARE

SPARE

SPARE

SPARE

Remote Start

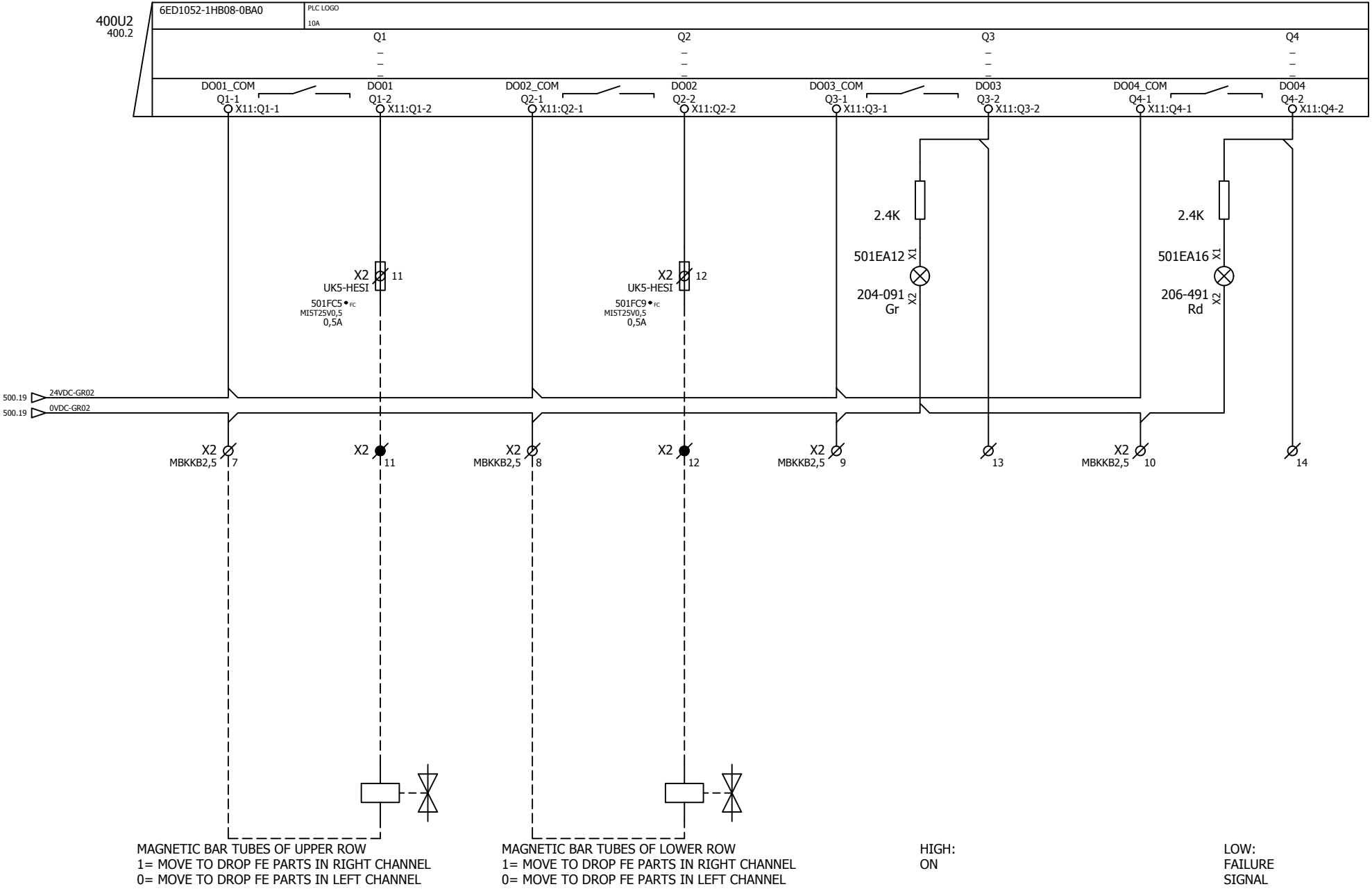
START (PULSE) SIGNAL CLEANING CYCLE

Remote Stop

HIGH = AUTOMATIC CLEANING IS STOPPED AND CLEANING ONLY TAKES PLACE WHEN A START (PULSE) SIGNAL IS GIVEN ON I5

SPARE

SPARE



Prev. sheet: 500

Next Sheet: 800

Designer: MV  
Design date: 21-08-2019  
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Status: Released

Project name : -  
Project number : -  
Customer: -  
Customer number: -



Product: CONTROL BOX SECC Ex II 2D  
Item number: SCBAS23007  
Doc. number: SCBAS23007\_Page-501.dwg

Drawing descr.: PLC I/O Siemens 6ED1052-1HB08-0BA0 DO  
Digital outputs


Sheet: 501  
Inst.:  
Loc.:



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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Prev. sheet: 501 Next Sheet: 900

Designer: MV Design date: 21-08-2019 Rev. nr.: C Status: Released	Project name : - Project number : - Customer: - Customer number: -		Product: CONTROL BOX SECC Ex II 2D Item number: SCBAS23007 Doc. number: SCBAS23007_Page-800.dwg	Drawing descr.: Spare connections	Sheet: <b>800</b> Inst.: Loc.:
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# Bill of Material

#	Item number	Manufacturer	Product Code	Custom code	Description
2	EIHF610212	FERRAZ	F219747Q	M15T25V0,5	FUSE SLOW ACTING 5X20mm 0,5A
1	EIHF620401	FERRAZ	G201279Q	M15T25V2	FUSE SLOW ACTING 5X20mm 2A
1	83.9900161	FESTO	543872	SME-8M-ZS-24V-K-2.5-OE	PROXIMITY SENSORS FOR T-SLOT
2	EIOM030003	PHOENIX	1413052	D-MBKKB2-5	TERMINAL END COVER D-MBKKB 2,5
1	EIOM030001	PHOENIX	3003020	D-UK 4-10	TERMINAL END COVER D-UK 4-10
9	EIOF000002	PHOENIX	1414064	MBKKB2-5	TERMINAL 2 LEVELS - SCREW 0.2 - 4mm <sup>2</sup>
3	EIOJ010002	PHOENIX	3004100	UK5-HESI	TERMINAL FUSE HOLDER 5 X 20-25-30MM
1	E0078897	PHOENIX	3001501	UK3_	TERMINAL 1 LEVEL - SCREW 0.2 - 4mm <sup>2</sup>
2	E0078904	PHOENIX	0441083	USLKG3	TERMINAL 1 LEVELS - SCREW - GROUND 0.2 - 4mm <sup>2</sup>
1	E0041662	RS	206-491	206-491	8MM LED 24V 20MA PANEL MOUNT RED RECESSED
1	E0041663	RS	204-091	204-091	8MM LED 24V 20MA PANEL MOUNT GREEN RECESSED
1	EISD063006	SIEMENS	8911300	6ED1052-1HB08-0BA0	PLC LOGO! 24RCE,LOGICMODULE,24V AC/24V DC/RELAY, 8 DI/4 DO
1	EIPF240105	SIEMENS	8911060	6EP3331-6SB00-0AY0	LOGO!POWER 24 V/1.3 A STABILIZED POWER SUPPLY INPUT: 100-240 V AC (110-300 V DC) OUTPUT: 24 V DC/1.3
1	E0078679	_Unknown	X	SEE PAGE 990 FOR DETAILS	TEXT PLATE , SEE E-DWG PAGE 990 FOR DETAILS

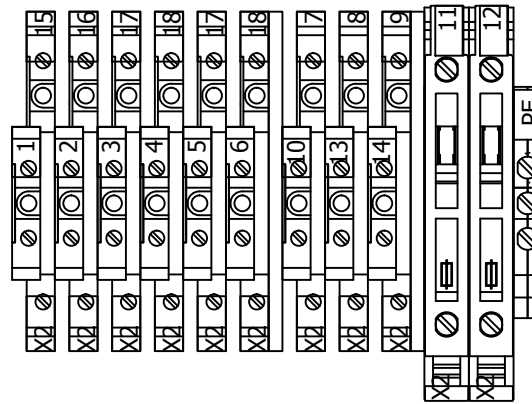
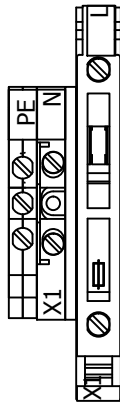


# Components list

Component code	Item number	Manufacturer	Product Code	Custom code	Description
110FC2	EIHF620401	FERRAZ	G201279Q	MIST25V2	FUSE MIST25V2 FERRAZ
110GB2	EIPF240105	SIEMENS	8911060	6EP3331-6SB00-0AY0	POWER SUPPLY 6EP3331-6SB00-0AY0 SIEMENS
400U2	EISD063006	SIEMENS	8911300	6ED1052-1HB08-0BA0	PLC 6ED1052-1HB08-0BA0 SIEMENS
500SF12	83.9900161	FESTO	543872	SME-8M-ZS-24V-K-2.5-OE	SENSOR SME-8M FESTO
501EA12	E0041663	RS	204-091	204-091	LED 204-091 RS
501EA16	E0041662	RS	206-491	206-491	LED 206-491 RS
501FC5	EIHF610212	FERRAZ	F219747Q	MIST25V0,5	FUSE MIST25V0,5 FERRAZ
501FC9	EIHF610212	FERRAZ	F219747Q	MIST25V0,5	FUSE MIST25V0,5 FERRAZ
990TEXTPLATE2	E0078679	_UNKNOWN	X	SEE PAGE 990 FOR DETAILS	TEXT PLATE SEE PAGE 990 FOR DETAILS



Terminals  
inside  
Control box  
SCBAS23002



□ X1 EP1 D-UK 4-10

□ X2 EP2 D-MBKKB2-5

□ X2 EP3 D-MBKKB2-5

990TEXTPLATE2

<h1>BARTEC</h1> <p>NL 2987VD RIDDERKERK</p>	
<p>GOUDSMIT ART. NR.:SCBAS23002B</p>	
<p><b>CE</b> 0344</p> <p><b>BARTEC-D-P2609</b></p> <p><b>Ex</b> II 2D Ex tb IIIC T80°C IP66 Db</p> <p>DEKRA 13 ATEX 0209                      230VAC/50Hz</p> <p>Ex tb IIIC T80°C Db</p> <p>IECEX DEK 13.0075                      Ta -20°C...+40°C</p> <p>Ref. nr. : NL 3794633-10-05              2017</p>	<h1>BARTEC</h1> <p>NL 2987VD RIDDERKERK</p>

- CE sticker Bartec

Designer: MV Design date: 21-08-2019 Rev. nr.: C Status: Released	Project name : - Project number : - Customer: - Customer number: -
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Product: CONTROL BOX SECC Ex II 2D Item number: SCBAS23007 Doc. number: SCBAS23007_Page-990.dwg
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Drawing descr.: Text plate
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Sheet: 990 Inst.: Loc.:
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