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EW-130.851E

FREE Smart PROGRAMMABLE CONTROLLERS



Some models require accessories
See the corresponding section

MODEL	CODE
SMC 5200	SMC5200000400
SMP 5200	SMP5200000400
SMD 5200	SMD5200000400
SMC 5500	SMC5500000400
SMP 5500	SMP5500000400
SMD 5500	SMD5500000400
SMC 5500/C	SMC5500010400
SMP 5500/C	SMP5500010400
SMD 5500/C	SMD5500010400
SMC 5500/C/S	SMC5500050400
SMP 5500/C/S	SMP5500050400
SMD 5500/C/S	SMD5500050400
SMC 4500/C	SMC4500010H00
SMD 4500/C	SMD4500010H00
SMC 4500/C/S	SMC4500050H00
SMD 4500/C/S	SMD4500050H00

CONFIGURATION



- Max 1 **FREE Smart**
- Max 1 expansion SE / SME
- Max 1 terminal SKP 10
- Max 1 double display terminal SKW (L) / SKP 22 (L)
- Max distance LAN 100 meters

TECHNICAL DATA

					
	SMP 5200 SMP 5500	SMD 5200 SMD 5500	SMC 5200 SMC 5500	SMD 4500	SMC 4500
Dimensions	32 x 74 x 80 mm	4 DIN	4 DIN	4 DIN	4 DIN
Display	4 digits, 7 segment and 18 icons	4 digits, 7 segment and 18 icons		4 digits, 7 segment and 18 icons	
Power Supply	12..24Vac/ 24Vdc	12..24Vac/ 24Vdc	12..24Vac/ 24Vdc	100-240 Vac 50/60 Hz	100-240 Vac 50/60 Hz
Digital Outputs	5 x 2A 230 Vac 1 Open Collector	5 x 2A 230 Vac 1 Open Collector	5 x 2A 230 Vac 1 Open Collector	4X 2A 250V (1 changeover)	4X 2A 250V (1 changeover)
Analog Outputs	5 in total: 2 PWM 2, 0-10V (only 5500 models) 1, 4 ... 20 mA / 0 ... 20 mA (only 5500 models)	5 in total: 2 PWM 2, 0-10V (only 5500 models) 1, 4 ... 20 mA / 0 ... 20 mA (only 5500 models)	5 in total: 2 PWM 2, 0-10V (only 5500 models) 1, 4 ... 20 mA / 0 ... 20 mA (only 5500 models)	5 in total: 2 Open Collector 2, 0-10v 1, 4 .. 20mA / 0. 20 mA	5 in total: 2 Open Collector 2, 0-10v 1, 4 .. 20mA / 0. 20 mA
Digital Inputs	6 free tension	6 free tension	6 free tension	Configurable AO1, AO2 And 5 EA	Configurable AO1, AO2 And 5 EA
Analog Inputs	5 in total: 3 NTC / D.I. 2 NTC / D.I. / 4 ... 20 mA / 0-10V / 0-5V / 0-1V				
Connectivity	TTL (Slave and Modbus Slave Micronet) Models / S RS485 (Modbus Slave and Slave Micronet) aboard LAN remote terminal connection SKP / or expansion SKW SE				
Clock (only models / C)	yes	yes	yes	yes	yes

KEYBOARDS / EXPANSIONS FOR FREE SMART SYSTEMS



MODEL	CODE
SKP 10	SKP1000000000
SKW 22	SKW2200000000
SKW 22L	SKW22L00000H00
SKP 22	SKP2200000000
SKP 22L	SKP22L00000000
BOARD MOISTURE SKW 22	KP10000
SE655	SE65023510400
SE4500	SME450000H00

TECHNICAL DATA

SKP 10

Panel installation.
LED display with 4 digit 7 segments 18 icons
Powered from the base

SKW 22

Wall installation
1 NTC probe on board
1 probe NTC/4...20mA/D.I.
Powered from the base

SKW 22L

Backlit LCD Display

SKP 22

Panel Installation
Includes protection IP65
Powered from the base
Two remote NTC

SKP 22L

Backlit LCD Display

SE 655

Expansion module systems
free Smart 4 DIN format

SE 4500

Free smart expansion module 220 Vac
Format 4DIN



SKP 10



SKW 22
SKW 22L



SKP 22

	SKP 10	SKW 22 SKW 22L	SKP 22
Dimensions	74x32x30mm	37.0x96.5x31.3mm	160x96x10mm
Mounting	Panel	Wall	Panel
Protection frontal	IP65	-	-
Display	LED 4 digit 7 segment	LCD	LCD backlit
Power Supply	from the base		
Analog Inputs	1 onboard NTC 1 NTC / 4 ... 20mA / D.I.		
Connectivity	FREE Smart LAN connection		
Cables	Cable COLV000033200 Included in the package		
optional module moisture		KP100000 not included	



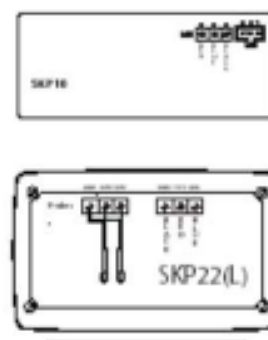
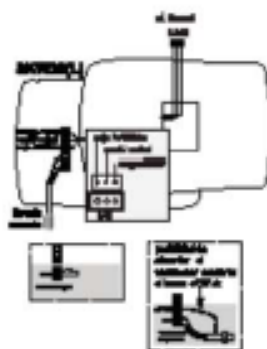
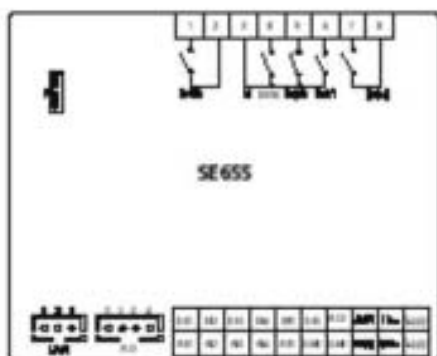
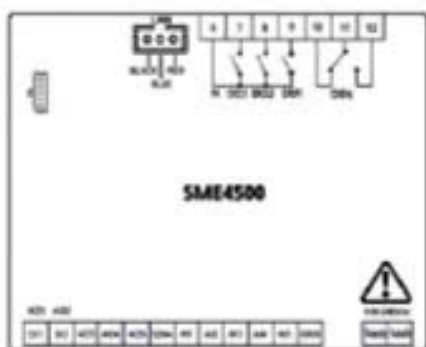
SE 655



SE 4500

	SE 655	SE 4500
Dimensions	4 DIN	4 DIN
Power Supply	12...24Vca / 24 Vcc	100-240 Vca 50/60 Hz
Digital Outputs	5 x 2A 230~ 1 x Open Collector	4X 2A 250V (1 changeover)
Analog Outputs	5 in total: 2 PWM, 2, 0-10V 1, 4 ... 20 mA / 0.. 20 mA	5 in total: 2 PWM, 2, 0-10V 1, 4 ... 20 mA / 0.. 20 mA
Digital Inputs	6 free tension	Configurable AO1, AO2 And 5 EA
Analog Inputs	5 in total 3 NTC or D.I. / 2 NTC D.I. 4 ... 20mA, / 0 .. 10V / 0 .. 5V / 0 .. 1V	5 in total: 3 of NTC, Pt1000/D.I. 2 NTC 4 .. 20mA / 0-10V / 0-5V / 0-1V / D.I.
Connectivity	TTL LAN remote terminal connection SKP / or expansion SKW SE	

WIRING DIAGRAM



SCREEN



MODEL	CODE
EVK 1000	EVK1000000000
TGI035AE 3,5"	TGI0350100400
TGI043AS/B 4,3"	TGI0430110400
TGI07AS 7"	TGI0700210400
SUPPLY 100-240/24Vdc 1A	BT111121
Cable 1,8m USB-B/USB-A	COLV000008180
Cable 2 m DB9/RS-485	COLV001235200

TECHNICAL DATA

	EVK 1000	TGI035AE 3,5"	TGI043AS/B 4,3"	TGI07AS 7"
Tactile	No	Yes	Yes	Yes
Dimensions	160 x 96 x 10 mm	136 x 89 x 39 mm	173 x 96 x 39 mm	228 x 154 x 41 mm
Mounting	Panel	Panel	Panel	Panel
Protection frontal	IP 65	IP 65	IP 65	IP 65
Display	LCD 128 x 64 pixel backlit	LCD 320 x 240 262144 colours ratio 4/3	LCD 480 x 272 262144 colours ratio 16/9	LCD 800 x 480 262144 colours ratio 16/9
Power Supply	from the base	24 Vdc 3W	24 Vdc 3W	24 Vdc 3W
Connectivity	CANOpen	RS4 85 USB	RS 485 USB USB HOST ETHERNET	2 x RS 485 USB USB HOST ETHERNET
Buzzer	Yes	Yes	Yes	Yes
Programming	FreeStudio	Software itself	Software itself	Software itself
Internal memory		128 Mb	128 Mb	128 Mb

