

# DRIVES, START- AND CONTROL BOXES



Franklin Electric



## QUALITY



## AVAILABILITY



## SERVICE



## INNOVATION



Quality in the Well



# SubMonitor Motor Protection

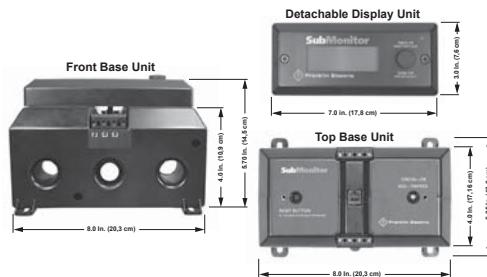
The SubMonitor is designed to protect 3-phase pumps with horsepower ratings between 3 and 200 Hp. Current, voltage and motor temperature are monitored using three integrated current transformers. A digital display provides current and voltage readings for all three legs and allows the user to set up the SubMonitor quickly and easily. The SubMonitor is the latest innovation in 3-phase pump protection from Franklin Electric. Using state-of-the-art technology, the SubMonitor provides the ultimate protection for a pump and motor. There is simply no better way to protect a large 3-phase submersible pump investment than with a SubMonitor. It's the protection device that can sense overheating straight from the motor windings! And it is made by the world leader in submersible motors - Franklin Electric.

Model number	
Premium Package	586 000 5100
Input Voltage	190 – 600 VAC
Frquency	60/50 Hz
Motor Service Factor Amps	3 to 359 Amps
Maximum Conductor Size Through Sensors	
Max. Diameter	0.920 in. (23 mm)
Trip Response	
Motor, Under / Overload, Under / Overvoltage, Overheat Unbalance	3 seconds
Control Circuit Rating	1.5 Amp AC, up to 600 volts
Signal Circuit Rating	1 Amp AC, up to 250 volts (Incandescent: 100 watts max.)
Wiring Terminals	
Wire Gauge	#12 to #18 AWG
Tighten to	4.5 in-lbs
Weight (SubMonitor)	3.3 lbs/7,3 kg
Carton Size (Std. Unit)	7,75 in x 11,5 in x 6,75 in (19,7 cm x 29,2 cm x 17,1 cm)
Shipping Weight (Std. Unit)	3.5 Lbs./7.5 kg



## Product advantages:

- Quick setup to monitor a motor, simply enter the Line Frequency (Hz), Line Voltage (volts), and Motor Service Factor Amp rating
- Digital display indicates voltage and current on all three legs at the same time, and fault messages are in easily understandable text
- Monitors - Under/Overload; Under/Overvoltage; Current Unbalance; Overheated Motor (Subtrol Equipped); False Start (Chattering); Phase Reversal
- For motors with service factor amp ratings between 3 and 359 amps
- One unit covers the entire range from 190 to 600 Volts
- No need to make additional turns around the CT or add external CTs
- Password Protection Option
- DIN Rail Mounting Option
- Stores fault, setting changes, and pump run-time, that can be accessed through the display
- the lightning protection is already included in the Premium Package
- Detachable NEMA 3R display unit can be mounted on panel door
- UL 508 Listed



## SubMonitor Accessory



### D3 Data Download Tool

D3 is a service tool that provides the capability to download data from SubMonitor and transfer that data to a PC.

### Includes:

- D3 unit
- Transfer software
- USB cable

Part Nb.: 585 001 1100

## SubStartSC® Single phase Submersible Motor Starter

The SubStartSC® range covers all PSC motors from 0.25kW to 2.2kW for all voltages. Ergonomic design, attention to detail and unique features make the SubStartSC® motor starter range your first choice when considering submersible motor protection. In conjunction with Franklin Electric submersible motors you now have an tangible water system advantage resulting in ease of installation and reliable protection.

### Product features:

- Attention to detail – every aspect engineered for the application
- The complete package – The device is 100% compatible with the motor characteristics
- All in one name – Reliability backed by the leader in submersible motors



### Ergonomically designed

<b>Mounting</b>	Easy wall mounting without destroying the protection rating of the enclosure.
<b>Wiring</b>	Sufficient space is provided for ease of wiring.
<b>Enclosure</b>	
<b>Protection</b>	IP54
<b>Material</b>	PVC / Polycarbonat
<b>Components</b>	
<b>ON/OFF switch</b>	Illuminated integral ON/OFF switch for ease of power
<b>Circuit breaker</b>	Thermal circuit breaker for protection of the motor.
<b>Capacitor</b>	High quality motor run capacitor for long life
<b>Terminal board</b>	Terminal board suitable for ease of reliable connections
<b>Cable glands</b>	Cable glands to ensure IP54 rating

### Technical Specifications:

Mechanical	
<b>Protection level</b>	IP54
<b>External dimensions</b>	168 x 142 x 85mm
<b>Weight</b>	0,6 - 1,0 kg
<b>Mounting</b>	Wall mounting (mounting hardware provided)
<b>Temperature</b>	-5°C - +40°C
<b>Humidity</b>	50% at 55°C (without condensation)
Electrical	
<b>Voltage</b>	220 - 240V; - 6 / +10 %; 50Hz single phase
<b>Current</b>	2,2 - 16 A
<b>Power</b>	0,25 - 2,2 kW
<b>Standards</b>	
IEC 60439-1	

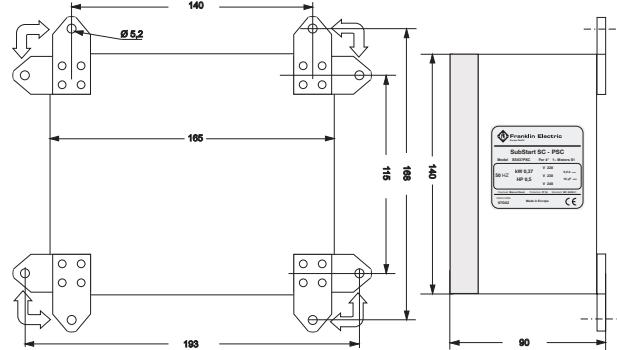
### SubStartSC® Starter Specifications

Part Number <sup>1</sup>	Type <sup>2</sup>	Motor rating [kw]	Nominal Current <sup>3</sup> [A]	Maximal expected current <sup>4</sup> [A]	Capacitor [μF] 450V ac
284 623 3510	SS025SC	0,25	2,4	9,4	12,5
284 624 3510	SS037SC	0,37	3,3	12,6	16
284 625 3510	SS055SC	0,55	4,3	17,7	20
284 626 3510	SS075SC	0,75	5,7	22,7	35
284 627 3510	SS110SC	1,10	8,4	33,9	40
284 628 3510	SS150SC	1,50	10,7	41,7	50
284 629 3510	SS220SC	2,20	14,7	61,8	70

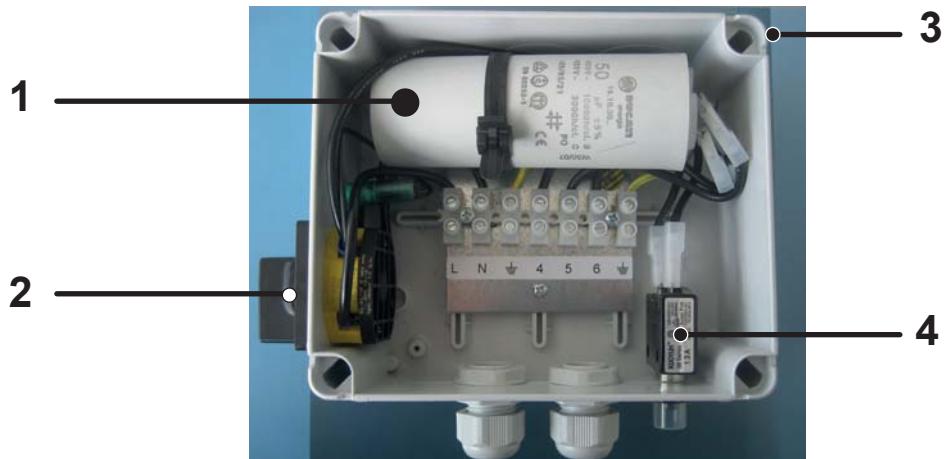
#### Notes:

1. Can be used with both 220-230V and 230-240V PSC motor ranges.
2. Type indicates motor power rating and motor type.
3. Nominal supply current at nominal voltage
4. Motor starting current under nominal conditions

### Dimensions



## SubStartSC® Spare Parts



### 1 Part: Capacitor - Kit

Rating [kw]	Mod. Nb.		µF
<b>0,25</b>	308 005 801	-	12,5
<b>0,37</b>	308 005 802	-	16
<b>0,55</b>	308 005 803	-	20
<b>0,75</b>	308 005 804	-	35
<b>1,1</b>	308 005 805	-	40
<b>1,5</b>	308 005 806	-	50
<b>2,2</b>	308 005 807	-	70

### 4 Part: Overload - Kit

Rating [kw]	Mod. Nb.		Amp
<b>0,25</b>	308 005 811	-	3
<b>0,37</b>	308 005 812	-	5
<b>0,55</b>	308 005 813	-	6
<b>0,75</b>	308 005 814	-	8
<b>1,1</b>	308 005 815	-	10
<b>1,5</b>	308 005 816	-	13
<b>2,2</b>	308 005 817	-	18



### 2 Part: Rotary - Switch - Kit

Mod. Nb.
308 005 822

### 3 Part: Rocker - Switch - Kit

Mod. Nb.
308 005 821

## SubStart3P® Three phase Submersible Motor Starter

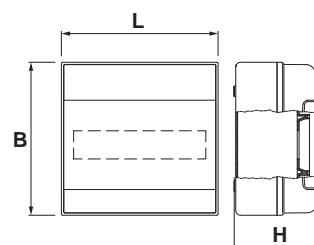
The SubStart3P® range covers all 3 phase motors from 0.37kW to 7,5kW. Ergonomic design, attention to detail and unique features make the SubStart3P® motor starter range your first choice when considering submersible motor protection. In conjunction with Franklin Electric submersible motors you now have an tangible water system advantage resulting in ease of installation and reliable protection

### **Product features:**

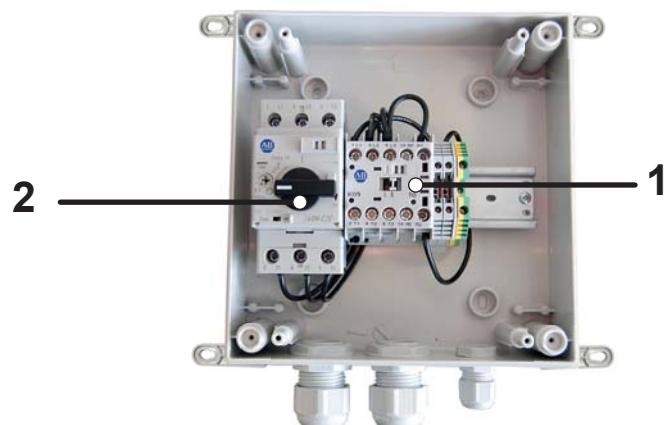
- Attention to detail – every aspect engineered for the application
- The complete package – The device is 100% compatible with the motor characteristics
- All in one name – Reliability backed by the leader in submersible motors



Ergonomically designed					Specifications			
<b>Mounting</b>					<b>Mechanical Specification</b>			
Easy wall mounting without destroying the protection rating of the enclosure.					Protection level	IP 54		
Enclosure								
<b>Protection</b>		IP54						
<b>Material</b>		PVC / Polycarbonate						
Components								
<b>ON/OFF Switch</b>		Manual motor starter switch						
<b>Circuit breaker</b>		Integrated thermal and magnetic overload protection						
<b>Auxiliary relay</b>		Powered auxiliary contactor for use with external switches						
<b>Cable glands</b>		Ensure IP54 rating						
SubStart3P® Model Parameters								
Motor Rating (kW)	Type 3~ 400V 50Hz	Model Number	Nom. Current (A)	Starting Current (A)				
0,37	SS037P3	288 500 3510	1,1	5,4				
0,55	SS055P3	288 501 3510	1,6	7,4				
0,75	SS075P3	288 502 3510	2	10,6				
1,10	SS110P3	288 503 3510	2,8	16				
1,50	SS150P3	288 504 3510	3,9	20,7				
2,20	SS220P3	288 505 3510	5,5	29,8				
3,0	SS300P3	288 506 3510	7,5	42				
3,7	SS370P3	288 507 3510	9	52,3				
4,0	SS400P3	288 508 3510	9,9	57				
5,5	SS550P3	288 509 3510	12,6	77,2				
7,5	SS750P3	288 510 3510	17,1	99,3				
Dimensions								
Motor Rating (kW)	W [mm]	L [mm]	H [mm]					
0,37kW - 4,0kW	190	184	106					
5,5kW - 7,5kW	250	256	140					



## SubStart3P® Spare parts



### 1 Part: Contactor

Rating [kw]	Mod. Nb.
<b>0,37</b>	308 027 201
<b>0,55</b>	308 027 201
<b>0,75</b>	308 027 201
<b>1,1</b>	308 027 201
<b>1,5</b>	308 027 201
<b>2,2</b>	308 027 202
<b>3,0</b>	308 027 202
<b>3,7</b>	308 027 203
<b>4,0</b>	308 027 203
<b>5,5</b>	308 027 204
<b>7,5</b>	308 027 205

### 2 Part: Motor Starter

Rating [kw]	Mod. Nb.
<b>0,37</b>	308 027 101
<b>0,55</b>	308 027 102
<b>0,75</b>	308 027 102
<b>1,1</b>	308 027 103
<b>1,5</b>	308 027 104
<b>2,2</b>	308 027 104
<b>3,0</b>	308 027 105
<b>3,7</b>	308 027 105
<b>4,0</b>	308 027 106
<b>5,5</b>	308 027 106
<b>7,5</b>	308 027 107

## SubTronicSC® Single Phase Motor Protection

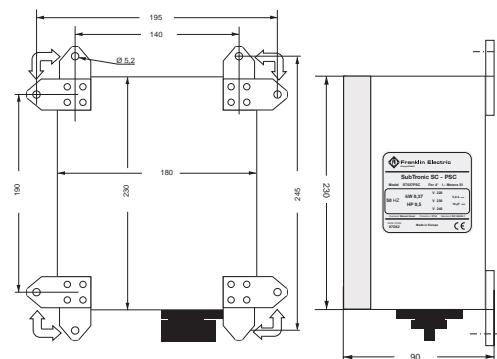
The SubTronicSC® range covers all PSC motors from 0.25kW to 2.2kW for all voltages. Ergonomic design, attention to detail and unique features make the SubTronicSC® motor starter range your first choice when considering submersible motor protection. In conjunction with Franklin Electric submersible motors you now have an tangible water system advantage resulting in ease of installation and reliable protection.

### **Product features:**

- Attention to detail – every aspect engineered for the application
- The complete package – The device is 100% compatible with the motor characteristics
- All in one name – Reliability backed by the leader in submersible motors

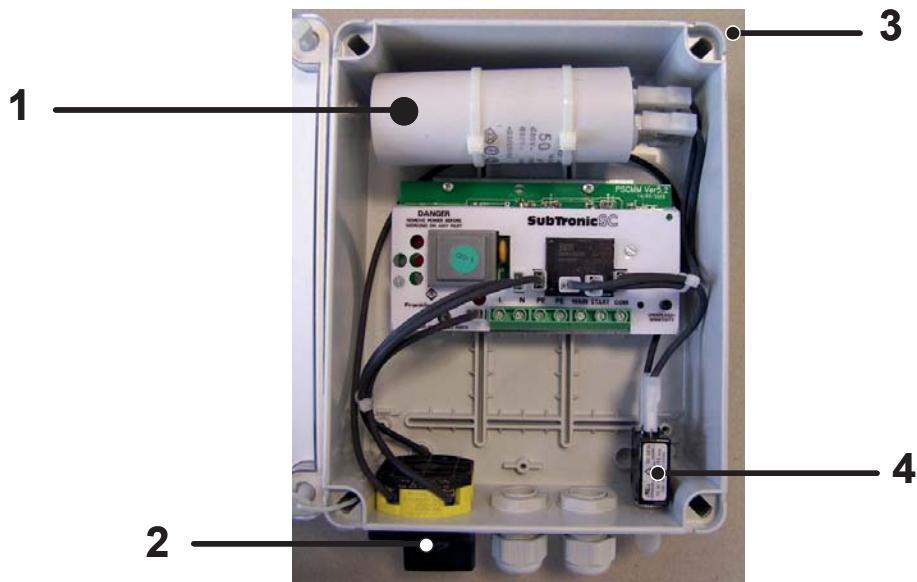


<b>Ergonomically designed</b>		<b>Technical Specifications</b>											
<b>Motor compatible design</b>		<b>Mechanical</b>											
Mounting	Easy wall mounting offering various options without destroying the protection rating of the enclosure.	<b>Protection level</b>											
Wiring	Reliable connectors are provided for ease of wiring.	<b>External dimensions</b>											
Matching range	The SubTronicSC® Protector range was designed to match the Franklin Electric range of PSC motors.	<b>Weight</b>											
Wide range of operation	Compatibility with motor design allows for a wide range of operation resulting in minimized nuisance tripping.	<b>Mounting</b>											
<b>Intelligent Protection and Management features</b>		<b>Temperature</b>											
Dry-run detection (without probes)	Prevents motor and pump damage due to running the pump without water based on a proprietary reliable detection method.	<b>Humidity</b>											
Dry-run auto- reset	Automatic dry-run reset time is based on a proprietary search algorithm to find the best operating point for weak wells. Reset time 6 to 60 minutes.	<b>Voltage</b>											
Over & Under voltage	Prevents motor damage that may be caused by abnormal voltage conditions without limiting the range of operation, made possible by matching the design of the SubTronicSC® Protector with the motor. Reset time approximately 3 minutes.	<b>Current</b>											
Over current protection	Prevents operation under conditions where motor current may exceed safe levels due to bound pump or other fault condition. Detection is based on current heating capacity measurement to prevent unnecessary nuisance tripping. Reset time approximately 10 minutes.	<b>Power</b>											
Faulty Start Protection	Prevents system damage due to factors such as faulty contacts or switch. Contact failure detection reacts fast and will prevent damage to system components.	<b>Standards</b>											
Rapid Cycle Protection	Prevents system damage due to factors such as continuous rapid cycling and excessive motor thermal cycling caused by waterlogged tank, faulty contacts or faulty pressure switch.	IEC 60439-1 when supplied with suitably fused supply.											
<b>SubTronicSC Motor Protection Specifications</b>													
Part Number	Type	Motor rating [kw]	Nominal Current [A]	Maximal expected current [A]	Capacitor [ $\mu$ F] 450V ac								
284 623 3511	ST025PSC	0,25	2,4	9,4	12,5								
284 624 3511	ST037PSC	0,37	3,3	12,6	16								
284 625 3511	ST055PSC	0,55	4,3	17,7	20								
284 626 3511	ST075PSC	0,75	5,7	22,7	35								
284 627 3511	ST110PSC	1,10	8,4	33,9	40								
284 628 3511	ST150PSC	1,50	10,7	41,7	50								
284 629 3511	ST220PSC	2,20	14,7	61,8	70								
<b>Dimensions</b>													
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Franklin Electric</td> </tr> <tr> <td>SubTronic SC - PSC</td> </tr> <tr> <td>Model: ST025PSC - For 230V - 1. Motor 0.25kW</td> </tr> <tr> <td>230V AC 50Hz</td> </tr> <tr> <td>IP 54</td> </tr> <tr> <td>CE</td> </tr> </table>								Franklin Electric	SubTronic SC - PSC	Model: ST025PSC - For 230V - 1. Motor 0.25kW	230V AC 50Hz	IP 54	CE
Franklin Electric													
SubTronic SC - PSC													
Model: ST025PSC - For 230V - 1. Motor 0.25kW													
230V AC 50Hz													
IP 54													
CE													





## SubTronicSC® Spare Parts



### 1 Part: Capacitor - Kit

Rating [kw]	Mod. Nb.		µF
0,25	308 005 801	-	12,5
0,37	308 005 802	-	16
0,55	308 005 803	-	20
0,75	308 005 804	-	35
1,1	308 005 805	-	40
1,5	308 005 806	-	50
2,2	308 005 807	-	70

### 4 Part: Overload - Kit

Rating [kw]	Mod. Nb.		Amp
0,25	308 005 811	-	3
0,37	308 005 812	-	5
0,55	308 005 813	-	6
0,75	308 005 814	-	8
1,1	308 005 815	-	10
1,5	308 005 816	-	13
2,2	308 005 817	-	18



### 2 Part: Rotary - Switch - Kit

Mod. Nb.
308 005 822

### 3 Part: Rocker - Switch - Kit

Mod. Nb.
308 005 821

## SubTronic3P® Three Phase Motor Protection

The SubTronic3P® range covers all 4 inch 3 phase motors from 0.37kW to 7,5kW. Ergonomic design, attention to detail and unique features make the SubTronic3P® range your first choice when considering submersible motor protection and management. Together with Franklin Electric submersible motors you have an undisputable advantage, resulting in ease of installation, sophisticated system management and peace of mind.

### Product features:

- Attention to detail – every aspect engineered for the application
- The complete package – The device is 100% compatible with the motor characteristics
- All in one name – Reliability backed by the leader in submersible motors



### Ergonomically designed

Mounting	Easy wall mounting offering various options without destroying the protection rating of the enclosure.
Wiring	Reliable connectors are provided for ease of wiring.

### Motor compatible design

Matching range	The SubTronic3P® Protector range was designed to match the Franklin Electric range of 3 phase motors.
Wide range of operation	Compatibility with motor design allows for a wide range of operation resulting in minimized nuisance tripping.

### Intelligent Protection and Management features

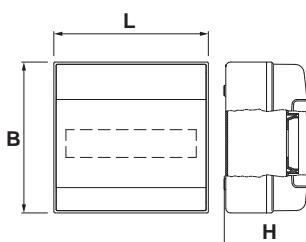
Dry-run detection (without probes)	Prevents motor and pump damage due to running the pump without water based on a proprietary reliable detection method.
Dry-run auto- reset	Automatic dry-run reset time is based on a proprietary search algorithm to find the best operating point for weak wells. Reset time in max. 60 minutes.
Over & Under voltage	Prevents motor damage that may be caused by abnormal voltage conditions without limiting the range of operation, made possible by matching the design of the SubTronic3P® Protector with the motor. Reset time approximately 3 minutes.
Over current protection	Prevents operation under conditions where motor current may exceed safe levels due to bound pump or other fault condition. Detection is based on current heating capacity measurement to prevent unnecessary nuisance tripping. Auto-reset in 15 minutes. Manual reset possible in approximately 5 minutes by reapplying power.
Rapid Cycle Protection	Prevents system damage due to factors such as continuous rapid cycling and excessive motor thermal cycling caused by waterlogged tank, faulty contacts or faulty pressure switch. Auto-reset in 5 minutes if condition clears. Manual reset possible in approximately 5 minutes by reapplying power.

### Indicators

Status	Indication shows normal operation or other condition.
Voltage	Faulty voltage condition is indicated.
Fault conditions	Dry-run, Over Current, Rapid Cycling, Over Voltage and Under Voltage are indicated.

### Dimensions

Motor Rating [kW]	W [mm]	L [mm]	H [mm]
0,37kW - 3kW	190	184	106
3,7kW - 7,5kW	250	256	140



### Specifications

#### Mechanical Specification

Protection level	IP 54
Environment	This equipment is suitable for environment B according to IEC/EN 61439 - 1 : 2010
Altitude	max 2000m above sea level
External dimensions	190 x 184 x 106 mm <= 3kW 250 x 256 x 140 mm >= 3,7kW
Weight	1,2 kg <= 3kW 2,5 kg >= 3,7kW
Mounting	Wall mounting (mounting hardware provided)
Storage temperature	-25°C to +55°C
Operation temperature	-5°C to +40°C
Humidity	50% at 40°C (without condensation)

#### Electrical Specifications

Rated Voltage	3~ / 50Hz 380 - 415V
Voltage tolerance	380V -10% / 415V+6%
Rated insulation voltage	400 Vac
Rated short-time withstand current	50 kA
Rated conditional short-circuit current	50 kA
Current	5 A ; 9 A ; 25 A
Power	0,37 - 7,5kW

#### Standards

IEC/EN 61439 - 1 : 2010

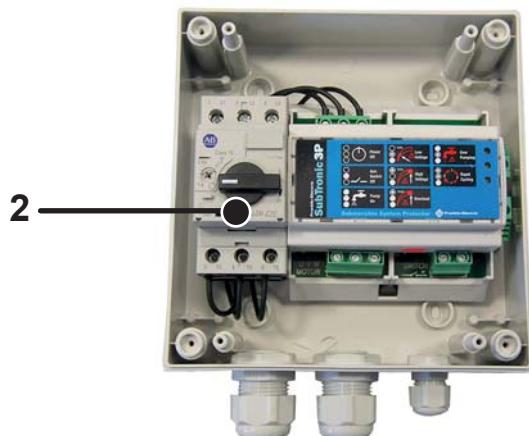
### SubTronic3P Motor Protection Specifications

Motor Rating [kW]	Type 3phase / 400V 50Hz	Model Number	Nom. Current [A]	Max. Current [A]
0,37	ST037P3	288 500 3511	1,1	5,4
0,55	ST055P3	288 501 3511	1,6	7,4
0,75	ST075P3	288 502 3511	2	10,6
1,10	ST110P3	288 503 3511	2,8	16
1,50	ST150P3	288 504 3511	3,9	20,7
2,20	ST220P3	288 505 3511	5,5	29,8
3	ST300P3	288 506 3511	7,5	42
3,7	ST370P3	288 507 3511	9	52,3
4	ST400P3	288 508 3511	9,9	57
5,5	ST550P3	288 509 3511	12,6	77,2
7,5	ST750P3	288 510 3511	17,1	99,3

## SubTronic3P® Spare Parts

0,37kW - 3,0kW

3,7kW - 7,5kW



### 1 Part: Contactor - > 3,7kW

Rating [kW]	Mod. Nb.
0,37	-
0,55	-
0,75	-
1,1	-
1,5	-
2,2	-
3,0	-
3,7	308 027 206
4,0	308 027 206
5,5	308 027 204
7,5	308 027 205

### 2 Part: Motor Starter

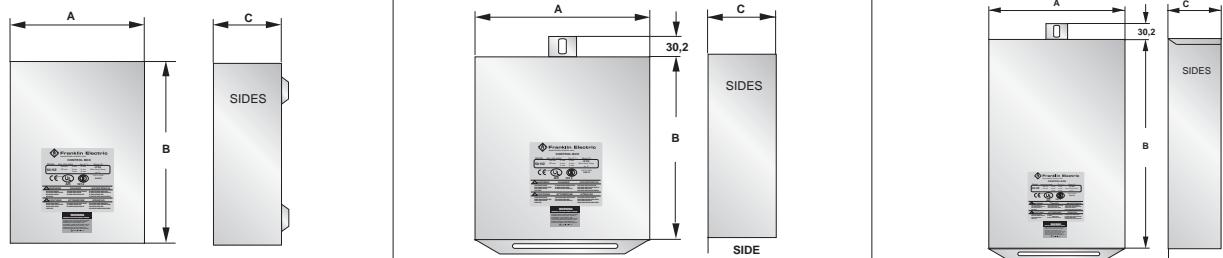
Rating [kW]	Mod. Nb.
0,37	308 027 101
0,55	308 027 102
0,75	308 027 102
1,1	308 027 103
1,5	308 027 104
2,2	308 027 104
3,0	308 027 105
3,7	308 027 105
4,0	308 027 106
5,5	308 027 106
7,5	308 027 107

### 3-wire Motor Control Boxes

<b>Application:</b>	Control and Protection of Franklin Electric 3-wire single phase motors.		
<b>Specification:</b>	<ul style="list-style-type: none"> <li>Voltage: 220 – 230 V</li> <li>Degree of protection: IP 23</li> <li>Metal version</li> <li>Includes starting capacitor</li> <li>Manual reset overload</li> <li>Max. Amb Temp. 40°C</li> <li>50 Hz</li> </ul>		
			
<b>Ordering information:</b>  220 / 230 / 240 V	<b>Motor Rating</b>	<b>Control Box Mod. Number</b>	<b>Weights (kg)</b>
	0,25	280 355 2115	1,36
	0,37	280 357 2115	
	0,55	280 358 2115	
	0,75	282 350 8114	2,8
	1,1	282 351 8114	
	1,5	282 352 8114	
	2,2	282 253 4014	3,0
	3,7		4,7

### Outline Drawing [mm]

0,25 – 0,75 kW			1,1 kW / 1,5 kW / 2,2kW			3,7 kW		
A	B	C	A	B	C	A	B	C
125	215	68	205	216	154	205	384	154



### Spare Parts Control Box 50 Hz

P <sub>N</sub> [kW]	Box Nb.	Relay-Kit		Start Capacitor Qty. Pos. 1	Run Capacitor Qty. Pos. 2	Overload relay of main phases Qty. Pos. 4	Overload relay of start phases Qty. Pos. 5	Qty.			
		Qty.	Pos. 1								
0,37	2803552115	305213912	1	305218957 48µF 220V	1	-----	0	*	1	-----	0
0,55	2803572115	305213912	1	305218906 65µF 220V	1	-----	0	*	1	-----	0
0,75	2803582115	305213912	1	305218918 95µF 220V	1	-----	0	*	1	-----	0
1,1	2823508114	305213912	1	305207913 115µF 220V	1	305 204 902 10µF 370V	1	305 215 914	1	-----	0
1,5	2823518114	305213912	1	305208915 208µF 220V	1	305 204 903 20µF 370V	1	305 215 902	1	305 215 906	1
2,2	2823528114	305213912	1	305208919 300µF 220V	1	305 203 902 35µF 370V	1	305 215 907	1	305 214 907	1
3,7	2822534014	305213912	1	305208915 208µF 220V	2	305 203 909 45µF 370V	1	305 214 902	1	305 215 902	1
						305 203 901 30µF 370V	1				

## SubDrive® Connect

This new generation of our proven constant pressure system, includes all the functionality of the current design, as well as the benefits and advanced features of the new SubDrive Connect System. Taking into account over 16 years of field experience with the SubDrive Family, the new platform is capable to optimize system performance, water pressure supply and system operating diagnostics.

In addition to the enhanced features below, the Connect models offering Wi-Fi connection for use with the FE Connect mobile application. With state of the art technology and well-chosen components, the new SubDrive Controllers provides constant pressure through variable speed control of submersible pumps.



### Features:

- Constant water pressure with a wide range of settings (0.5 to 9.5bar)
- User-defined motor frequency range
- 4-20mA analog pressure transducer included
- FE Connect Mobile Application for advanced settings and monitoring
- Plug and play system
- Built-in diagnostics and protection
- Easy-to-read LCD display for system pressure and fault identification
- Built-in duplex alternator for dual drive operation
- Proven components for long-term reliability
- Backwards compatibility and easy installation
- Single-phase 3-Wire motor operation (60Hz)
- Advanced motor soft-start feature increases motor life
- CE, cULus and UL approved

### System Options:

- Moisture Sensor – Wet floor identification
- 4-20mA analog pressure transducer – 6, 10, 16bar
- Outdoor rated cable kit for analog pressure transducer
- Communication cable kit for built-in duplex alternator
- Replacement Kit for Input and Display Board
- Input and Output Filter
- Lightning Arrestor
- Fan Replacement Kit
- Standard SubDrive Pressure Switch

### Service / Support:

- Easy commissioning by plug and play system
- User defined set-up
- Spare part kits for electronic controller and motor (on Request)
- Franklin Electric Connect Mobile Application

### SubDrive Connect ordering Information:

Drive Model	Order Nb.	Three Phase Motors / 230V		Single-Phase (3-Wire) Motors 60 Hz
		50 Hz	60 Hz	
SubDrive 1100	5870205153C	0,75kW - 1,1kW	0,75kW - 1,1kW	0,37kW - 1,1kW
SubDrive 1500	5870205353C	0,75kW - 1,5kW	0,75kW - 1,5kW	0,37kW - 1,5kW
SubDrive 2200	5870205453C	0,75kW - 2,2kW	0,75kW - 2,2kW	0,37kW - 2,2kW

### SubDrive Connect Specification:

Drive Model	SD 1100	SD 1500	SD 2200
SubDrive Model Nb.	5870205153C	5870205353C	5870205453C
Input Voltage	230V AC, 1-phase	230V AC, 1-phase	230V AC, 1-phase
Max. Input Amps	12 A	19 A	23 A
Output Frequency	30 - 77 Hz	30 - 77 Hz	30 - 77 Hz
Max. Output Amps	5,9 A (3-phase) 10,4 (single-phase)	8,1 A (3-phase) 13,2 (single-phase)	0,9 A (3-phase) 13,2 (single-phase)
Pressure Range	0,5 - 9,5 bar	0,5 - 9,5 bar	0,5 - 9,5 bar



## Notes





**Franklin Electric**

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Single member - Company subject to the control  
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NOTE: Franklin Electric Europa GmbH reserves the right to amend specification without prior notice.