SOFT START PLUS 2 CLC

RANGE 3÷100HP

Soft start starting and line contactors electronic control panel 2 motors for pressure booster, clean water and sewage with display

- *Multi-application control panel*
- *Motor's data auto learning*
- *Adjustable acceleration and deceleration ramp*
- *Line contactors*
- *Events and alarms data logger*
- *Motors maintenance data logger*
- *Remote control*



SALUPO CONNECT

GENERAL SPECIFICATIONS

- Operating voltage 400Vac ±10% 50/60Hz
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Siren shut-off button
- Auxiliary circuit protection fuse
- Protection fuse for each motor
- N°2 soft start with by-pass contacts
- N°2 line contactors
- Forced ventilation with filters (from 25Hp)
- Thermostat for fan
- N°6 5A amperometric transformers
- Connection terminal board
- External metal box
- Protection degree IP55
- Operating temperature -5/+40°C

ADVANTAGES

- Multilingual Display LCD to visualize:
  - Operating voltage
  - Current for each motor
  - Hour counter for each motor
  - Pressure switches status
  - Level status
  - System pressure with pressure transducer
  - Tank level in meters with piezoresistive probe (Emptying/Filling)
  - All information concerning the operation of the motors
- Maximum and minimum current auto learning for each motor
- Adjustable maximum number of starts per hour
- Adjustable motor start test (24-48-72-96h)
- Dry running with minimum current
- Deactivable alternance of the 2 motors
- 3s delay between the starting of the 2 motors
- Automatic switching in case of motor failure
- Pressure loss monitoring
- Adjustable supply mains waiting
- Siren shut-off
- Adjustable acceleration and deceleration ramp by trimmer
- Adjustable starting voltage by trimmer
- Operation with pressure switches, float switches, pressure transducer and piezoresistive probe 4-20mA

INPUTS / OUTPUTS

- N°4 very low voltage inputs
- Input 4-20mA
- N°2 very low voltage inputs for motor klixon
- N°2 alarm outputs 12Vdc max 200mA for siren and flashing Led lamp
- Alarm output max 5A NC-COM-NO (pure contact)

PROTECTIONS

- Maximum and minimum current protection for each motor with alarm
- Lack and sequence of phases protection with automatic reset and alarm
- Minimum and maximum voltage protection with automatic reset and alarm
- Phase unbalance protection with alarm
- Klixon protection for each motor with automatic reset and alarm

THREE-PHASE 400Vac ±10% 50/60Hz

CODE	TYPE	POWER kW	POWER Hp	OPERATING CURRENT [A]	DIMENSIONS mm A-H	DIMENSIONS mm L-W	DIMENSIONS mm P-D	WEIGHT Kg	BOX
SQ697.CLC00/SS	SOFT START PLUS 2 CLC 400 5,5	2,2÷4	3÷5,5	2x(5÷12,5)	700	500	290	18	71
SQ697.CLC01/SS	SOFT START PLUS 2 CLC 400 12,5	5,5÷9,2	7,5÷12,5	2x(10÷25)	700	500	290	18	71
SQ697.CLC02/SS	SOFT START PLUS 2 CLC 400 17,5	11÷13	15÷17,5	2x(17÷32)	700	500	290	18	71
SQ697.CLC03/SS	SOFT START PLUS 2 CLC 400 20	15	20	2x(23÷38)	700	500	290	23	71
SQ697.CLC04/SS	SOFT START PLUS 2 CLC 400 25	18,5	25	2x(22,5÷45)	800	600	290	27	80
SQ697.CLC05/SS	SOFT START PLUS 2 CLC 400 35	22÷26	30÷35	2x(25,5÷63)	800	600	290	27	80
SQ697.CLC06/SS	SOFT START PLUS 2 CLC 400 40	30	40	2x(34,5÷72)	800	600	290	29	80
SQ697.CLC07/SS	SOFT START PLUS 2 CLC 400 50	37	50	2x(46÷106)	1000	600	370	33	101
SQ697.CLC08/SS	SOFT START PLUS 2 CLC 400 60	45	60	2x(46÷106)	1000	600	370	41	101
SQ697.CLC09/SS	SOFT START PLUS 2 CLC 400 70	51,5	70	2x(46÷106)	1000	600	370	42	101
SQ697.CLC10/SS	SOFT START PLUS 2 CLC 400 80	60	80	2x(68÷143)	1200	800	370	72	122
SQ697.CLC11/SS	SOFT START PLUS 2 CLC 400 90	66	90	2x(68÷143)	1200	800	370	73	122
SQ697.CLC12/SS	SOFT START PLUS 2 CLC 400 100	75	100	2x(81÷171)	1200	800	370	75	122

N.B.: When ordering, check the power and the rated current of the motor

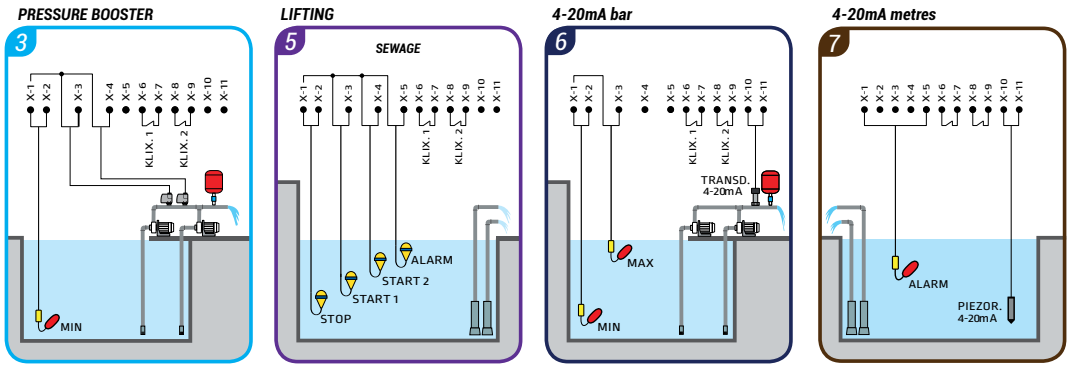
OPTIONALS

CODE	TYPE
OP100.79/C	Controller 4G expansion
OP100.49/C	Controller MODBUS RS-485 expansion
OP100.59/C	Controller Ethernet - WiFi expansion
OP100.69/C	Controller BMS expansion
OP100.99/C	Controller expansion to detect water in the oil chamber up to 3 motors
OP100.01	3 level probes kit
OP100.05/1	Wired three-phase surge arrester type 2
SS100.00	Visual and acoustic alarm indicator (BASIC ALARM VA 012) **see page 20**
SS101.01	Visual and acoustic alarm indicator with buffer battery (TOP ALARM VAB 230) **see page 19**
AC300.15.xx-004.35	Pressure transducer 0-(xx)bar 4-20mA 1/4" with 4m shielded cable 2 cables+Ground wire **see page 68**
AC300.20.01-xx.31	Piezoresistive probe 4-20mA with (xx)m cable **see page 68**
AC300.22.01-xx.35	Piezoresistive probe 4-20mA with (xx)m shielded cable 2 cables+Ground wire **see page 68**
AC300.20.02-010.31	Piezoresistive probe 4-20mA with 10m cable for sewage

For more optionals see page 78

SPARE PARTS

CODE	TYPE
SR687-97.C400	Controller MULTIPLUS 1-2 400Vac



KEY COMPONENTS

- ***Float switch for clean water***
- ***Float switch for sewage***
- ***Pressure switch***
- ***Piezoresistive probe 4-20mA***
- ***Pressure transducer 4-20mA***

The addition of some optionals can imply changes on the size of the control panel. For further details please contact our technical/commercial department.