CB - CONTROL PANEL FOR SINGLE-PHASE PUMP

- Housing in shockproof thermoplastic with two cable clamps
- Luminous 2-pole main switch (power ON)
- Protection level: IP 43
- Starter capacitor
- Thermal cut-out protection with external manual reset

	MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	PROTECTION	CAPACITOR µF	DIMENSIONS mm	GROSS WEIGHT Kg	DIVER		MICRA	
	**CB 16/5**	**60149564**	1x230 V ~	0,55	0,75	5 A	16	85 x 170 x 65	0,65	•	DIVER 75 M		
	CB 20/6	**60149565**	1x230 V ~	0,75	1	6 A	20	85 x 170 x 65	0,65	•	DIVER 100 M DIVER 100 HF M		
	CB 30/9	**60149566**	1x230 V ~	1,1	1,5	9 A	30	85 x 170 x 65	0,65	•	DIVER 150 M DIVER 150 HF M		
	CB 35/12	**64148895**	1x230 V ~	1,5	2	12 A	35	85 x 170 x 65	0,65	•	DIVER 200 M DIVER 200 HF M		
	CB 05/12	**60140961**	1 x 230 V~	0,37	0,5	5 A	12	85 x 170 x 65	0,65			•	MICRA 50 M
	CB 06/16	**60140962**	1 x 230 V~	0,55	0,75	6 A	16	85 x 170 x 65	0,65			•	MICRA 75 M
	CB 07/20	**60140963**	1 x 230 V~	0,75	1	7 A	20	85 x 170 x 65	0,65			•	MICRA 100 M

ESC PLUS

Panel for protection and control of motor/single-phase/three-phase pump with direct start up.
Double set-up mode: automatic/manual
The motor/pump protection against dry running is assured by the major of the motor cos φ, (level probes not required)
Casing made of shock-proof and self-extinguishing thermoplastic material with two antipull plugs.
Main switch.
Power supply: Single-phase 230 V +/- 5%, Three-phase 400 V +/-5%.
Digital display with status indications.
Four models available for powers from 0.5 HP to 15 HP.
Protection degree IP54. Starting
Capacitor for single phase version (to be order separately).
Optoisolated auxiliary contact for control by probes, pressure switch and float switch.
ON-OFF switch.
Functional features:
Overload protection.
Phase failure protection (threephase version).
Overvoltage protection.
Short circuit protection.
Protection against dry running.

	MODEL	CODE	VOLTAGE 50-60 Hz	RANGE HP	MAX CURRENT A	PANEL DIMENSIONS A	PANEL DIMENSIONS B	PANEL DIMENSIONS H	WEIGHT Kg
	**ESC PLUS 3M 220-240/50-60**	**60149590**	1 x 230 V<	0,5 - 3	< 18	175	175	80	0,9
	ESC PLUS 4T 400/50-60	**60149591**	3 x 400 V<	0,5 - 4	< 9	245	195	95	1
	ESC PLUS 10T 400/50-60	**60149592**	3 x 400 V<	5,5 - 10	< 20	215	170	75	1,4
	ESC PLUS 15T 400/50-60	**60149593**	3 x 400 V<	12,5 - 15	< 30	215	170	75	1,6

CONTROL BOX 4”

Electric control panel for single phase bore-hole pumps featuring manually resettable overload cut-out, capacitor and terminal board for the electrical connections and posisble connection of pressure switch/float. Complete with 1.5 metres of power cable with SCHUKO EEC 7 – VII – UNEL 47166-168 electric plug. Cabinet for wall mounting in a flame-proof, thermoplastic material.

	MODEL SINGLE-PHASE	CODE	MOTOR POWER kW	PROTECTION AMPER. AMP	CAPACITOR µF	WEIGHT Kg
	**CONTROL BOX 4” 0,5**	**108003210**	0,37	4	16	1,7
	CONTROL BOX 4” 0,75	**108003220**	0,55	5	20	1,7
	CONTROL BOX 4” 1	**108003270**	0,75	7	25	1,7
	CONTROL BOX 4” 1,5	**108003280**	1,1	10	35	1,7
	CONTROL BOX 4” 2	**108003290**	1,5	13	40	1,7
	CONTROL BOX 4” 3	**108003300**	2,2	16	60	1,7

4” CONTROL BOOSTER BOX

NEW

4” Control Booster Box
Control panel for increasing the starting torque of the single-phase electric pumps with capacities ranging from 0.37 to 3.7 kW single-phase containing the microdisgiuntore for overload protection with manual reset, the starting condenser and run condenser and terminal block for electrical connections.

Plug not included.
Degree of protection: IP 54
Ambient operating temperature: -10 ° C + 40 ° C
Wall mounting box in self-extinguishing thermoplastic material.

	MODEL	CODE	VOLTAGE 50 Hz	POWER MAX kW	MAX CURRENT A	RUN CAPACITOR µF	STARTING CAPACITOR µF	WEIGHT Kg
	**CBB 05/16 (0,37 Kw)**	4616050	1 x 230 V	0,37	5	16	53-64	0,85
	CBB 06/20 (0,55Kw)	4620060	1 x 230 V	0,55	6	20	53-64	0,85
	CBB 09/25 (0,75 Kw)	4625090	1 x 230 V	0,75	9	25	100-130	1,5
	CBB 12/35 (1,1 Kw)	4635120	1 x 230 V	1,1	12	35	100-130	1,1
	CBB 15/40 (1,5Kw)	4640150	1 x 230 V	1,5	15	40	189-250	1,1
	CBB 20/60 (2,2 Kw)	49050200	1 x 230 V	2,2	20	60	189-250	1,5
	CBB 32/90 (3,7 Kw)	49090320	1 x 230 V	3,7	32	90	315-400	1,5

NEW

SOFT-START CONTROL AND PROTECTION - COMMANDER

Soft-start control microprocessor for protection, control and command of the motor / three-phase pump with direct starting. The soft-start Commander panel is used where a limitation of the starting current is required; in this case, the traditional starting systems (star-delta system or reactance) are no longer required. There are also several parameters that can be set for both the start-up and shutdown of the system. Characteristics: input voltage: 400 Vac +/-10%. power frequency: 50/60 Hz ambient temperature: 0-40° c. relative humidity: 50% at 40° c. IP55 Protection. Metal frame with epoxy paint.

Bypass contactor of the SCRs. Input signal from the pressure switch or float. Possibility to connect several motors / pumps. Measurement of power factor (cos). Programming of the following functions from external LCD keypad: programming in 6 languages, set up menu and displays the following parameters: voltage, current, active and apparent power, power factor, the list of events / actions.
Features: Overload protection, protection and control of the starting current, phase failure protection, surge protection under voltage protection and short-circuit protection.

	MODEL	CODE	VOLTAGE 50-60 Hz	RANGE	MAX CURRENT	DIMENSIONS	WEIGHT Kg
	**COMMANDER 1E**	**2610500**	400 V	5,5 HP - 30 HP	< 50	300x300x160	8,6
	COMMANDER 2E	**2610510**	400 V	35 HP - 60 HP	< 100	300x300x160	9,4

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