QM2 SERIES

ELECTROMECHANICAL CONTROL PANELS FOR TWO SINGLE PHASE MOTOR PUMPS 230V WITH THERMAL PROTECTION FOR WASTEWATER

Single phase electromechanical control panel for two motor pumps.

TECHNICAL DATA
- Power supply 1 ~ 50/60Hz 230V ± 10%
- Main disconnecting switch with door lock
- Transformer for power supply of auxiliary circuits
- Contactor for each motor
- Exchanger
- Protection degree IP 55

INPUTS
- No. 6 extra low voltage inputs for:
  - Emergency stop SL / SP STOP (e.g., float switches for protection from dry operation), active in both AUTOMATIC and MANUAL modes
  - functional start and stop SL / SP 1 (e.g.: control float switches)
  - maximum level alarm SL / SP MAX
  - engine block due to temperature sensor tripping

CONTROLS AND SIGNALS
- Selector MANUAL-AUTOMATIC-OFF for each engine
- No. 5 indicator lights for the signaling of:
  - Presence of power supply
  - Motor pump 1 or 2 running
  - Motor protection tripping 1 or 2

PROTECTION AND ALARMS
- Thermal relay sensitive to the lack of phase internally resettable for each motor
- Motor protection fuses for each motor
- Protection fuses on the auxiliary circuits
- Alarm output 24Vac active in case of overload protection tripping or maximum level reached
- Engine block due to temperature sensor tripping

OPERATING CONDITIONS
- Ambient temperature -5 / +40°C
- Relative humidity 50% with maximum temperature 40°C

NOTES
- The power value is indicative in order for you to choose the correct control panel, make sure that the motor ampere absorption is included between. The two operating current values of the control panel
- Casing made of thermoplastic material (P) up to 17A

ELECTRICAL SPECIFICATION

Model Single-phase 230V +10-15% - 50Hz	HP	kW	Nominal current [A]	Protection range [A]	Dimensions [mm] A	B	C	Weight [kg]
QMDE20/4,5A-T-AR	0,50	0,37	2,9÷4,5	3÷5	265	200	130	1,6
QMDE20/9A-T-AR	1,5	1,10	5,7÷9,1	6÷10	265	200	130	1,6
QMDE20/14A-T-AR	2	1,5	8,6÷13,5	9÷15	265	200	130	1,6
QMDE20/17A-T-AR	3	2,2	12,5÷16,5	13÷18	265	200	130	1,6

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