


Ilo	Opis
1	<p>Control MPC-E 2 x 7,50 E</p>  <p>Uwaga! Zdjęcie produktu może się różnić od aktualnego</p> <p>Nr katalogowy: 99065039</p> <p>Grundfos Control MPC is a control cabinet with a CU 352 control unit that permits monitoring and control of up to six identical pumps connected in parallel.</p> <p>Our control solutions share advanced algorithms that built on 70 years' experience of controlling Grundfos pumps and decades of iterative development by Grundfos engineers.</p> <p>Control MPC knows exactly which – and how many – pumps to control, and will optimize performance and minimize energy consumption based on user-supplied pump curve data.</p> <p>With Control MPC, there are no communication barriers. You are free to choose between a wide range of operating languages, and Control MPC supports communication with monitoring equipment or other external units via a number of different communication protocols.</p> <p>Control MPC offers perfect solutions to building services, water utilities and industry application areas..</p> <ul style="list-style-type: none"> • Pressure Boosting • Water Supply Networks • Irrigation • HVAC <p>All it takes for you to start enjoying the Control MPC benefits is to follow the simple installation wizard, which helps you set the desired parameters in the correct sequence.</p> <p>Benefits:</p> <ul style="list-style-type: none"> • Reliable and easy to use • Minimized energy consumption • Pipe protection and leakage control • Pump protection • Reduced downtime <p>Key Features:</p> <ul style="list-style-type: none"> • Constant Pressure – By constantly adapting the speed of the pumps to the flow demand, we secure very high consumer comfort and system protection. • Energy Reduction – CU 352 uses the pump curve data to determine the most efficient speed and number of pumps in order to meet exactly the desired flow and pressure and thereby reduce wasted energy. • System overview – Nice system overview via pump animation and icons on color screen. • Soft pressure build-up – reduces stress on the piping system, as a predefined number of pumps and the speed controls the restart of the system. • Dry-running protection – increase your system reliability and decrease maintenance costs. • Alarm & Warnings – real time alarms and warnings on the color display reduces downtime. • Alarm & Warnings logger – storage of up to 24 alarms and warnings makes fault analyzing easier.

Ilo	Opis
	<p>Monitoring – the CU 352 holds several monitoring possibilities such as pressure level, pump outside duty range, this gives you great system insights.</p> <ul style="list-style-type: none"> • Logged data – valuable insights available on the big color screen or exported to a PC for further analysis. • Protective functions – Several functions ensure reliable and safe operation and the result is longer lifetime. • Clock program – setpoint automatically reduced to the required value at any given time which means money saved on energy. • Flow estimation – the controller can based on pump curve data estimate flow without using a flowmeter. • Redundancy – it is possible to assign one or more standby pumps, these will take over in case of failure. • Pump test run – prevents pumps from seizing up and liquid from decaying in the pumps and removes trapped air. • Emergency run – pumps keep running regardless of warnings and alarms. • Forced pump changeover – setting of pump changeover so the pumps run for the same number of operation hours. • Fall back sensor - If the Primary sensor fails, the system will automatically be regulating on the fallback sensor at a predefined setpoint, thereby you avoiding downtime in case of primary sensor fault. • Low flow stop function - pump protection • Communication – Ethernet, PLC via IO 351, Modbus-Profibus-LON-GSM-GPRS via CIU modules. • Multi language - wide range of operating languages. <p>Układy sterowania:</p> <p>Dry running protection: Cyfrowe zał/wył</p> <p>Emergency operation switch: Nie</p> <p>Redundant primary sensor: Y</p> <p>Operating light for pump (Yes/No): N</p> <p>Fault light for pump (Yes/No): N</p> <p>IO 351B Interface: Nie</p> <p>Woltomierz: N</p> <p>Amperomierz: N</p> <p>Repair switch on wiring diagram: Y</p> <p>Standard version: A</p> <p>Techniczne:</p> <p>Liczba pomp: 2</p> <p>Instalacja:</p> <p>Cabinet mounting: Monta na cienny</p> <p>Dane elektryczne:</p> <p>Moc (P2) pompy głównej: 7.5 kW</p> <p>Cz stotliwo podstawowa: 50 / 60 Hz</p> <p>Napi cie nominalne: 3 x 400 V</p> <p>Pr d nominalny zestawu: 27.3 A</p> <p>Zakres pr du pompa główna: 0 .. 15.1 A</p> <p>Rodzaj ochrony (IEC 34-5): IP54</p> <p>Inne:</p> <p>Masa netto: 20 kg</p> <p>Kraj pochodzenia: DE</p> <p>Numer taryfy celnej nr.: 85371098</p>

Opis	Warto
Informacje ogólne:	
Nazwa wyrobu:	Control MPC-E 2 x 7,50 E
Nr katalogowy:	99065039
Numer EAN:	5712606081721
	5712606081721
Cena:	1.800,20 €
Techniczne:	
Liczba pomp:	2
Instalacja:	
Cabinet mounting:	Monta na cienny
Dane elektryczne:	
Moc (P2) pompy głównej:	7.5 kW
Cz stotliwo podstawowa:	50 / 60 Hz
Napi cie nominalne:	3 x 400 V
Pr d nominalny zestawu:	27.3 A
Zakres pr du pompa główna:	0 .. 15.1 A
Rodzaj ochrony (IEC 34-5):	IP54
Układy sterowania:	
Control type:	E
Panel sterowania:	CU 352
Dry running protection:	Cyfrowe zał/wył
Emergency operation switch:	Nie
Redundant primary sensor:	Y
Operating light for pump (Yes/No):	N
Fault light for pump (Yes/No):	N
IO 351B Interface:	Nie
Woltomierz:	N
Amperomierz:	N
Repair switch on wiring diagram:	Y
Standard version:	A
Inne:	
Masa netto:	20 kg
Kraj pochodzenia:	DE
Numer taryfy celnej nr.:	85371098

