

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE023784R2530

ac 800pec controller modbus tcp

FUNCTION	FAMILY	ORIGIN	WEIGHT
ac 800pec controller modbus tcp	UNITROL Excitation Systems	Switzerland	2.59 kg

UNITROL Excitation Systems 3BHE023784R2530 is a ac 800pec controller modbus tcp for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3BHE023784R2530
Product Family	UNITROL Excitation Systems
Component Type	Ac 800Pec Controller Modbus Tcp
Assembly Class	ABB PCB assembly
System Interface	UNITROL Excitation Systems control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

Configuration Basis	Installed ABB hardware list
Replacement Basis	Exact article and board revision
Protective Check	ESD and protective-earth control
Commissioning Check	Power-up diagnostics and function test
Maintenance Identity	3BHE023784R2530 controlled service identity

- Maintain aeration control with Ac 800Pec process control: Within the blowers and dissolved-oxygen loops, 3BHE023784R2530 performs its assigned control role as a ac 800pec controller modbus tcp. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.
- Align cooling-water circulation with Ac 800Pec: During operation of the circulating pumps and heat exchangers, 3BHE023784R2530 supports the configured automation role as a ac 800pec controller modbus tcp. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Align pipeline pumping with Ac 800Pec process control: At the control layer of the mainline pumps and block valves, 3BHE023784R2530 serves its documented function as a ac 800pec controller modbus tcp. During equipment switchover, the system uses this function to align pump duty with pressure and flow demand, helping it maintain controlled movement through the line.

Match 3BHE023784R2530 to the installed UNITROL Excitation Systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB UNITROL Excitation Systems documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM