

Item	Qty	Description of products and services	Price per unit	Amount
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		<p>Fan Coil Controller, PWM, 3-stage, manual Operation, MDRC</p> <p>For the control of Fan Coil Units with heating and cooling applications. 2 independent electrical valve outputs (24 ... 230 V AC), fan control via 3 relays, additional relay (16 A) for electrical heater and 4 inputs for room sensors.</p> <ul style="list-style-type: none"> - Device diagnostics with free of charge PC-Software - Displaying of the status of the inputs and outputs via LED on the device - Push buttons on the device for manual operation of the outputs - Device is supplied via KNX and needs no additional power supply - Integrated controller for room temperature control - 4 Inputs for room sensors (Temperature sensor (resistor), window contact, dew point sensor, binary signal) - Connection facility for analog room control unit - Control of 2 thermoelectric or one motoric 3-point valve drive - Control of a multilevel fan via 3 relays - Control of an electrical heater via 1 additional relay <p>Functionality of the application program:</p> <ul style="list-style-type: none"> - Application based configuration und selection of the controller - Use with integrated controller or as normal actuator - Controller for the control of heating and cooling applications with basic and additional stage - Forced operation of the outputs - Cyclical monitoring of the input values - Direct usage of the connected sensors for the room temperature control - Free configuration of the controller possible - Integrated temperature set point manager - Overload/Short circuit detection of the valve outputs - Mode of operation of the valve drive (normally closed/normally opened) configurable - Parameterization for the use of a motoric valve drive with 3-Point control - Automated valve purge - Fan control with step switch or change over - Fan speed limitations - Fan speed automatic in dependence of the valve control value - Start up and follow up behavior of the fan - Direct control of the additional relay output by the internal controller <p>Technical data:</p> <p>Inputs: 4 independent inputs Scanning current: 1 mA Supported temperature sensors: PT100, PT1000, NTC (10k and 20k), KTY (various types), NI 1000</p> <p>Valve outputs: 2 semiconductor outputs Output voltage: 24...230 V AC, 50/60 Hz Rating current (output pair): 0.5 A</p> <p>Fan output: 3 relay outputs, each 5 A Switching voltage: 250 V AC</p> <p>Additional relay: 1 relay output 16 A (resistive load) Switching voltage: 250 V AC</p> <p>Displaying elements:</p> <ul style="list-style-type: none"> 1 LED per input for status display 2 LED for position indication of the valve outputs 2 LED for displaying of the active valve and fault indication 3 LED for displaying the fan speed 1 LED for displaying the status of the additional relay 1 LED for displaying the status of the manual operation <p>Manual operation:</p> <ul style="list-style-type: none"> 1 push button for selecting the valve output 2 push buttons for opening/closing the selected valve 1 push button for switching of the fan speed 1 push button for switching of the additional relay 1 push button for activating/deactivating the manual operation 	Carry:	
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		<p>Fan Coil Controller, PWM, 3-stage, manual Operation, MDRC</p> <p>Connections: screw terminal, universal head 0.2...6 mm² single core 0.2...4 mm² fine stranded</p> <p>KNX: screwless bus connection terminal</p> <p>Housing material: Plastic, halogen free flammability V-0 as per UL94</p> <p>Protection class: IP 20, DIN EN 60 529</p> <p>Installation: on 35 mm mounting rail to EN 60 715 without tools; removable from group</p> <p>Mounting position: any</p> <p>Ambient temperature: -5 °C...+45 °C</p> <p>Width: 6 space units à 17.5 mm</p> <p>Dimensions (H x B x T): 90 x 105 x 63.5 mm</p> <p>Delivery mounting incl. accessories:</p> <p>Labor:</p> <p>Manufacturer: ABB STOTZ-KONTAKT</p> <p>Type: FCC/S 1.1.2.1 or equivalent</p> <p>Material:..... Labor:.....</p>	Carry:	
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FCC/S 1.1.2.1

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