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Fan coil actuator for KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2163 00	1		4010337059387

Features

- Fan coil actuator for operation of ventilator convectors (fan coil units), implemented for room air conditioning.
- The actuator receives telegrams, e.g. from a room temperature controller, and converts variable telegrams into equivalent fan speeds and valve positions.
- Connection of a ventilator convector with up to six ventilator gradations or connection of two ventilator convectors each with up to three fan speeds with double pipe systems.
- Manual actuation.
- Building site operation: Outputs can be operated manually without bus voltage with operating voltage only.
- Operating modes for heating or cooling, or combined heating and cooling.
- 2-pipe or 4-pipe operation. 2-pipe system uses a shared water circuit for heating and cooling. 4-pipe system consists of separate supply and return line for the heating and cooling system.
- Individual or hierarchic switching of fan speeds.
- Feedback, output indication, block function for each channel, level limitation.
- Behaviour after bus voltage failure or bus/mains voltage failure and following an ETS programming process can be configured.
- Limit values can be set.
- Cyclical or event-oriented transmission.
- Free channels can be used for switching functions, e.g. for room lighting.

Technical data

KNX medium:	TP256
Switching contact:	µ contact, 1 x zero-voltage NO contact
Breaking capacity 230 V AC:	10 A / AC1 or 10 A / AC3
Maximum switch-on current	
- 200 µs:	800 A
- 20 ms:	165 A
Connected load	
- Ohmic load:	2300 W
- Capacitive load 230 V AC:	10 A, max. 140 µF
- Light bulbs:	2300 W
- HV halogen lamps:	2300 W
- Wound electronic transformer:	1200 VA

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- Tronic transformer:	1500 W
- Fluorescent lamps, uncompensated:	1000 VA
- Fluorescent lamps,lead-lag circuit:	2300 VA
- Fluorescent lamps, parallel-compensated:	1160 VA
- Mercury-vapour lamps, uncompensated:	1000 W
- Mercury-vapour lamps, parallel-compensated:	1160 W

Connections

- KNX:	Connection and junction terminal
- Load:	Screw terminals

Connection cross section:	Max. 4 mm²

Notes

- VDE approval in accordance with EN 60669-1, EN 60669-2-1.
- Installation on DIN top-hat rail.

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	4
