ABB
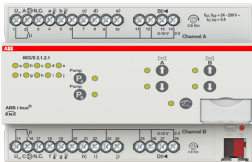
PRODUCT-DETAILS

HCC/S2.1.2.1

HCC/S2.1.2.1 Heating/Cooling Circuit Controller, 2-f, 0-10 V, man. op., MDRC

General Information

Extended Product Type	HCC/S2.1.2.1
Product ID	2CDG110219R0011
EAN	4016779011624
Catalog Description	HCC/S2.1.2.1 Heating/Cooling Circuit Controller, 2-f, 0-10 V, man. op., MDRC
Long Description	For the control of a heating or cooling circuit. The device has 2 channels, each with an analog output to control the mixing valve (0…10V) of a heating or cooling circuit as well as a relay output (5A) to switch the pump of the circuit. Via 3 binary inputs it is possible to monitor the status of the pump (via potential free contacts) and integrate these feedback into the control of the pump. The flow and return flow temperature are measured and used for the calculation of the control value for the valve output in the integrated controller. The set point temperature is received via the KNX bus. By bundling both channels of the device it is also possible to use it for double pump systems The HCC/S 2.1.2.1 features an easy to use manual operation. The device supports the ABB i-bus Tool for advanced diagnosis and improved commissioning.

Installation

Instructions and Manuals	2CDG941187P0003

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Mounting Type	DIN-Rail

Technical

Data Sheet, Technical Information	2CDC508247D0211
Special Functions	Valve Protection
Number of Outputs	4
Number of Digital Inputs	10
Number of Inputs	Analog (0 ... 10 V / 4 ... 20 mA) 10
Compatible Bus Systems	KNX (TP)
Manipulated Variable	Continious
Product Range	KNX
Manual Operation	Yes
Number of Batteries	0

Electrical

Voltage Range	0 ... 10 V DC
Maximum Switching Current	5 A
Power Loss	3 W

Design

Color	light grey

Material Compliance

RoHS Information	2CDK508231D2701
RoHS Status	Following EU Directive 2011/65/EU
REACH Declaration	9AKK108468A9644
REACH Information	False - does not contains substances > 0.1 mass percentage
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Degree of Protection	IP20

Dimensions

Width in Number of Modular Spacings	8
Product Net Width	140 mm
Product Net Height	90 mm
Product Net Depth / Length	63.5 mm
Product Net Weight	0.285 kg
Dimension Diagram	2CDC072027F0017

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Certificates and Declarations

CB Certificate	9AKK107991A3190
Declaration of Conformity - CE	2CDK508231D2701

Classifications

ETIM 9	EC001586 - Heating actuator for bus system
eClass	V11.0 : 27143147
UNSPSC	39121801
Object Classification Code	A
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

Categories

Low Voltage Products and Systems → Building and Home Automation Solutions → KNX → Heating, Ventilation and Air Conditioning → Central HVAC Controllers