3 Digital inputs

1 LED Digital output

Analog input: 1 x Ni/PT1000 - (-20…+60 °C)

Analog input: 1 x resistance measurement

Analog inputs: 3 x 0…10 V

Connection to KL6583 (EnOcean)

Ethernet RJ 45 (switched)

Ethernet RJ 45 (switched)

K-bus interface

Power supply

Analog outputs: 2 x 0…10 V

Relay output: 1 x 230 V AC

Relay ouputs: 3 x 230 V AC

Triac outputs: 2 x 230 V AC

BC9191 | Building automation Room Controller

Ethernet TCP/IP The BC9191 Room Controller covers the standard functions for the individual room control in a compact design. There are two switched Ethernet interfaces in addition to the necessary I/O signals. A sub-bus is provided for the efficient connection of room control units. The K-bus interface makes extension by the entire range of Bus Terminals possible at any time. The likewise integrated Bus Terminal Controller provides the local intelligence required in order to control the room.

PLC data	Ethernet TCP/IP	BC9191
Programming	with TwinCAT via Ethernet
Program memory	48 kbytes
Data memory	32 kbytes
Remanent data	2 kbytes
Runtime system	1 PLC task
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Online change	yes

Technical data	BC9191
Number of Bus Terminals	64
Max. number of bytes fieldbus	512 byte input and 512 byte output
Ethernet interface	2 x RJ45 (switched)
Protocol	TwinCAT ADS, Modbus TCP
Digital inputs	3 contacts (e.g. window contact, dew point, occupancy sensor)
Analog inputs	3 x 0…10 V (e.g. CO_2 sensor, air quality sensor, brightness sensor) 1 x Pt/Ni1000 (-20…+60 °C) for air temperature measurement 1 x resistance measurement for set value specification (0…10 KΩ)
Digital outputs	1 x 230 V AC, 10 A, relay (e.g. air heater) 3 x 230 V AC, 1 A, relay (3-stage fan) 2 x 230 V AC, 1 A, triac (e.g. valves for heating and cooling)
Analog outputs	2 x 0…10 V (e.g. volumetric air flow controller)
Bus interface	2 x RJ45 (switched)
Sub bus system	Connection to KL6583 (EnOcean)
Supply voltage	230 V AC
Current supply K-bus	200 mA
Dimensions (W x H x D)	118 mm (127 mm with end cap and DIN rail mounting) x 100 mm x 70 mm
Weight	approx. 345 g
Operating/storage temperature	0…+55 °C/-25…+85 °C
Protect. class/installation pos.	IP 20/vertical
Approvals	CE

Accessories	
KS2000	configuration software for extended parameterisation
TwinCAT PLC	programming system conforms to IEC 61131-3
Cordsets	cordsets and connectors
FC90xx-00xx	PC Fieldbus Cards with PCI interface
KL6583	EnOcean transmitter and receiver

System	
Ethernet TCP/IP	For further Ethernet TCP/IP products please see the system overview

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