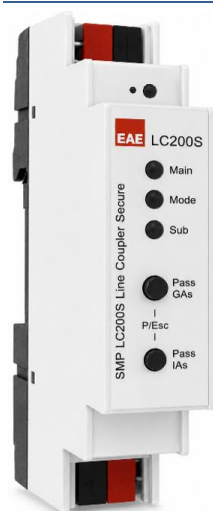


General Description



The EAE KNX Line Coupler Secure LC200S is a KNX line coupler in a compact design. It connects two KNX bus segments (for example, a KNX line with a KNX area).

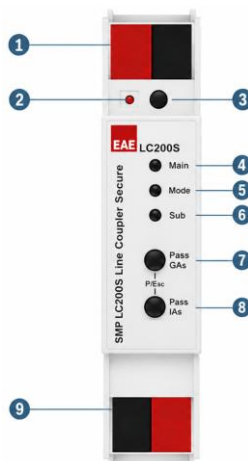
The device has an extended filter table for main group 0...31 and ensures a galvanic isolation between the lines. The coupler supports KNX Data Security and KNX Long Frames. It is compatible with the ETS® software ETS 5 or higher. The functionality of Security Proxy and Segment Coupler is only supported with the ETS 6 database.

The buttons on the front panel allow disabling the telegram filter for testing purposes. The LEDs indicate operating conditions as well as communication errors on the KNX bus. The power is supplied via the KNX bus (main line).

Technical Data

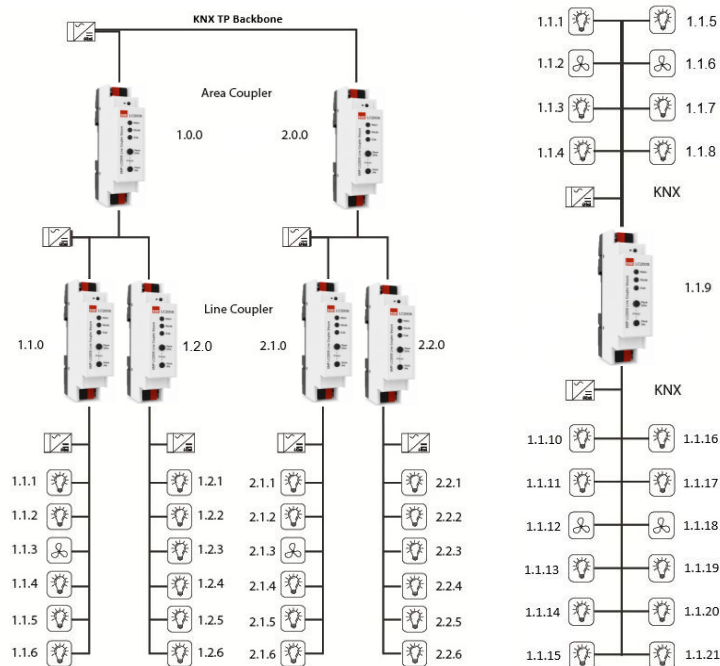
Protection Type	IP 20	EN 60529
Power Supply	Voltage	21...30V DC, SELV
	Current Consumption (main)	< 5 mA
	Current Consumption (sub)	< 3 mA
Connections	KNX Line (main)	Bus connection terminal
	KNX Line (sub)	Bus connection terminal
Operating Elements	Function buttons, programming button, LEDs	
Installation	(18 mm) DIN rail mount	
Temperature Range	Operation	-5° C + 45° C
	Storage	-25° C + 70° C
Humidity	%5 to 93 % non-condensing	
Dimensions	-H x W x D	90 mm x 18 mm x 60 mm
	Width W in mm	18 mm (1 module)
		Mounting depth 58 mm
Weight	40 g	
Box	Plastic PA66 housing grey	
CE	EMC directive 2014 / 30 / EU	EN 63044-5-3: 2019
	RoHS directive 2011 / 65 / EU	EN 61000-6-2: 2019
	EN 63044-3: 2018	EN 61000-6-3: 2021
	EN 63044-5-1: 2019	EN 63000: 2018
	EN 63044-5-2: 2019	

Device Peripherals



1	KNX bus connector (main line)
2	Programming LED
3	Programming mode button
4	Function LED (main line, multicolor)
5	Function Mode LED (multicolor)
6	Function LED (sub line, multicolor)
7	Button, Pass GAs
8	Button, Pass IAs
9	KNX bus connector (sub line)

Functions



LC200S
Area Coupler and Line Coupler

LC200S
Segment Coupler
Line Repeater

KNX Specification

- Medium TP/TP
- KNX Security (AES-128) (incl. Security Proxy)
- KNX Segment Coupler
- Extended filter table for main group 0..31
- Buffer: 2 x 50 telegrams
- Max. APDU length: 233
- Device model: 0x0912

Commissioning

Determination of the physical address and setting of parameters are actualized with Engineering Tool Software (ETS5 or higher). ".knxprod" file must be imported to the ETS.

i A detailed information about parameter configuration can be found in Product Manual of device.

i Installation and commissioning of device may only be implemented by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- When connecting the device make sure that the device can be isolated!
- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device out of the specified technical data which is stated.
- The device may only be operated in closed enclosures (Distribution boards)

Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.