

BIALON PC 03

3-phase coupler for transmission on LONWORKS® **Power Line** networks



- Couples the **Power Line** payload signal into the 230 V power network
- Increases capacitive coupling between the phases
- Reduces the signal attenuation in case of transmission over multiple phases
- Easy installation on a top-hat rail

The BIALON PC 03 phase coupler is a critical infrastructure component for safe data transmission on LONWORKS® **Power Line** networks.

The phase coupler helps to improve capacitive coupling between the phases of the AC network. It helps to establish a communication link across all three phases. Its use is necessary when the transmission between the phases is not sufficient for communication due to cable routing.

It is installed on a DIN top-hat rail in the distribution box.

Order details

Description	Order number
BIALON phase coupler PC 03	095021

STV Automation
A Division of STV Electronic GmbH
Hellweg 203-205
D-33758 Schloss Holte, Germany

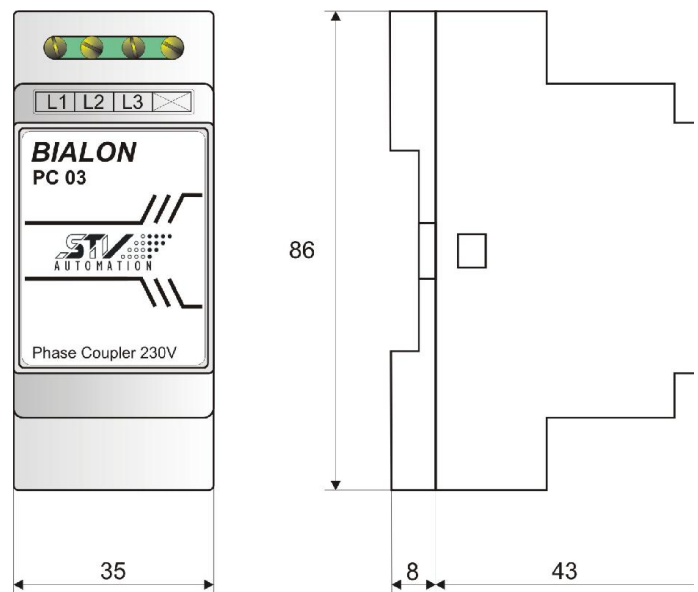
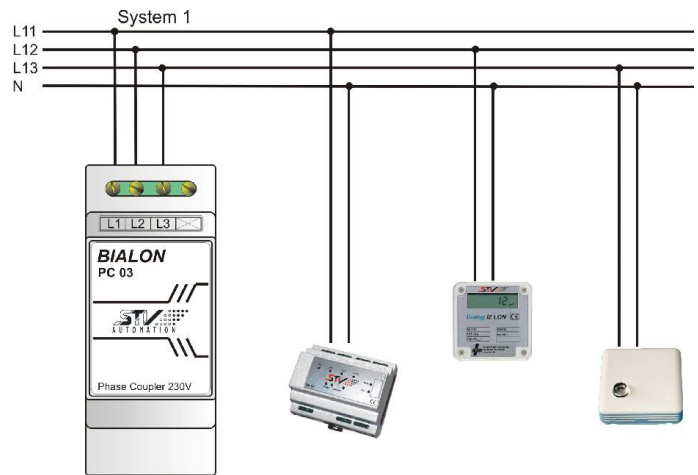
Phone: +49 (0) 5207/9131-0
Fax: +49 (0) 5207/9131-18
Email: info@stv-automation.de
Website: www.stv-automation.de

Typical applications:

If the devices are distributed across all phases, it is useful to install a phase coupler to improve communication.

Caution!

The neutral conductor is not connected for the PC 03.



Technical data

Voltage phase/nil	max. 250 V AC $\pm 10\%$
Mains frequency	50 Hz
Phase connections	Terminals max. 2.5 mm ²
Operating temperature	0 ... 55 °C
Relative humidity	0 ... 90 % (not condensing)
Housing	as per EN 50022 for installation on DIN support rails, 2 separation units
Degree of protection	IP 20 as per DIN EN 60529
Dimensions (L x W x H)	36 x 90 x 66 mm (2 SU)