

This buscoupler allows connection of the WAGO I/O SYSTEM to the LON® fieldbus using FTT (Free Topologie Transceiver).

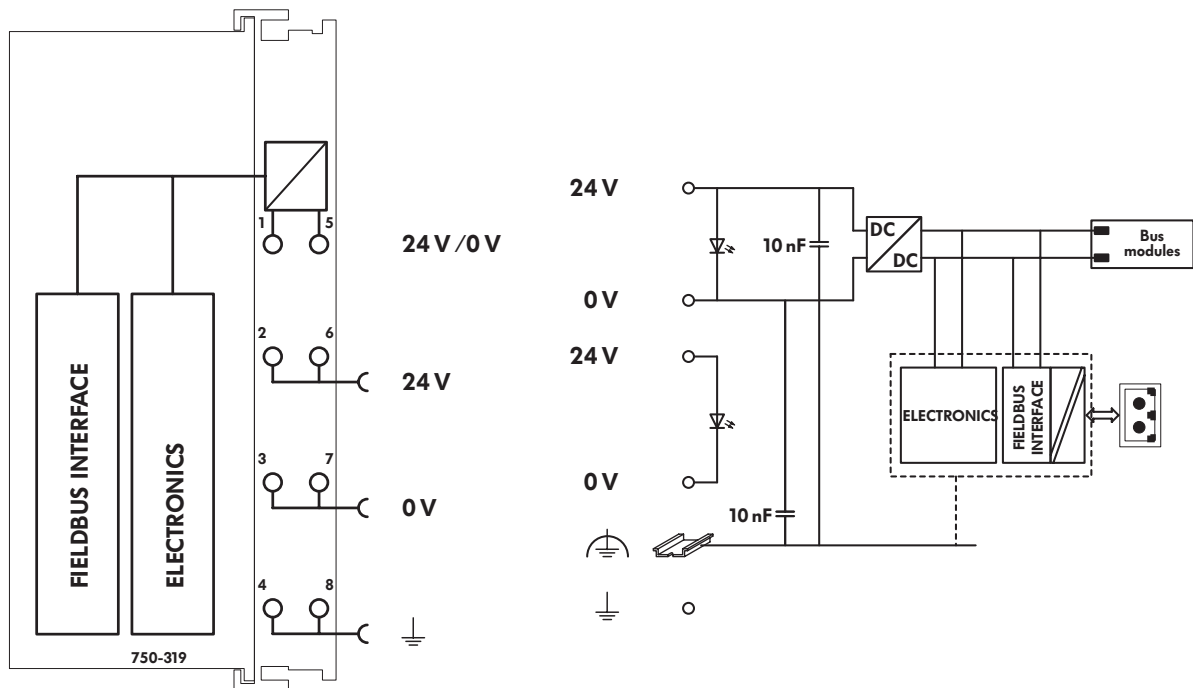
The buscoupler is capable of supporting all bus modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules.

The following LNS compliant Plug-ins are available:

- WAGO TOPLON®-PRIO (Programmable Remote I/O) is the interface between the I/Os of the fieldbus coupler and the LON® network.
 - Processing of up to 248 digital or 124 analog inputs/outputs
 - To each network variable any SNVT can be assigned
 - A maximum of 52 network variables, types available NVI/NVOs: 0/52; 20/32; 26/26; 32/20; 52/0)
- WAGO TOPLON®-IF (Installation Functions) with ready-to-use applications in any combination. For example; for stairwell light control, ambient light control, touch control dimmer, and window blind control.
 - Processing of up to 48 digital inputs/outputs
 - 48 network variables of the SNVT_switch type are available.

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Description	Item-No.	Pack.-unit pcs	System Data	
LONWORKS®, Fieldbus Coupler	750-319	1	No. of nodes	64 without repeater 127 with repeater
			Transmission medium	Twisted pair - FTT
			Max. length of fieldbus segment	free topology 500m, bus topology 2700 m
			Topology	in accordance with LON specification
			Baud rate	78 kbps
			Buscoupler connection	2-pole male connector, series 231 (MCS) female connector (231-302) is included



Technical Data		General specifications	
Max. no. of I/O modules	62 per node	Operating temperature	0 °C ... +55 °C
Digital signals	max. 248 (Inputs and Outputs)	Wire connection CAGE CLAMP®	0.08 mm ² ... 2.5 mm ² ; AWG 28 ... 14
Analog signals	max. 124 (Inputs and Outputs)		8 ... 9 mm / 0.33 in stripped length
Config. possibility	via PC with LON interface	Dimensions (mm) W x H x L	51 x 65* x 100
Voltage supply	DC 24 V (-15% ... +20%)		* from upper edge of DIN 35 rail
Input current max.	500 mA at 24 V	Weight	ca 180 g
Efficiency of the power supply	87%	Storage temperature	-25 °C ... +85 °C
Internal current consumption	300 mA at 5 V	Relative air humidity	95% no condensation
Total current for I/O modules	1700 mA at 5 V	Vibration and shock resistance	acc. to IEC 60068-2-6
Isolation	500 V system / supply	Degree of protection	acc. to IEC 60068-2-27
Voltage via power jumper contacts	DC 24 V (-15% ... +20%)	EMC CE -Immunity to interference	IP 20
Current via power jumper contacts max.	DC 10 A	EMC CE -Emission of interference	acc. to EN 50082-2 (1996)
Transceiver	FTT 10 A		acc. to EN 50081-1 (1993)
		Approvals	
		UL _{IS}	see pages 1.10 ... 1.13
		Ex	II 3 GD EEx nA II T4, Class I Div2 ABCD T4A
		Conformity marking	CE
		Accessories	
		Item-No.	Pack.-unit pcs
		WAGO TOPLON	chapter 5
		Miniature WSB quick marking system	
		plain	248-501 5
		with marking	see pages 1.174 ... 1.175