



The electronics of the WAGO buscouplers are integrated in a housing with a width of approximately 51 mm.

The electronics of the WAGO I/O System modules are designed into housings ranging from 12 mm up to 48 mm in width, and are known as 750 and 753 Series. 753 Series modules offer the added convenience of pluggable field wiring. 750 and 753 Series modules can co-exist in the same WAGO-I/O-SYSTEM node, and are 100% compatible. Both series offer internal power jumper contacts rated at 10 amps (up to 3 per module), extending field device power to adjacent modules.

Notice:

Depending on the I/O function, all modules do not have the same number of power jumper contacts. Power jumper contacts of adjacent I/O modules must be compatible (i.e. blade contacts must have corresponding spring contacts). Please review the circuit diagrams of the individual modules. An additional power supply module may be necessary.

Note: A bus end module (750-600) is always required at the end of each node and is placed at the end of each node at the end opposite the buscoupler.

Mechanic	
Material	polycarbonate, polyamide 6.6
Dimensions W x H* x L:	
* from upper-edge of DIN rail	
- Coupler/Controller (Standard)	- 51 mm x 65 mm x 100 mm
- Coupler/Controller (ECO)	- 50 mm x 65 mm x 100 mm
- I/O module, single	- 12 mm x 64 mm x 100 mm
- I/O module, double	- 24 mm x 64 mm x 100 mm
- I/O module, fourfold	- 48 mm x 64 mm x 100 mm
Installation	on DIN 35 rail with interlock
Modular by	double featherkey-dovetail
Mounting position	any position
Marking	Standard markers and 8 x 47 mm markers for group marker carriers
Connection	
Connection type	CAGE CLAMP®
Wire range	0.08 mm² ... 2.5 mm², AWG 28 ... 14
Stripped length	8 ... 9 mm, 9 ... 10 mm for components with pluggable wiring (753-xxx)
Contacts	
Power jumper contacts	blade/spring contact, self-cleaning
Current I _{max}	10 A
Voltage drop (I=10 A)	< 1 V/64 modules
Data contacts	slide contact, hard gold plated 1.5 µ, self-cleaning
General Environmental Conditions	
Operating temperature	0 °C ... +55 °C,
for components with extended temperature range (750-xxx/025-xxx)	-20 °C ... +60 °C
Storage temperature	-25 °C ... +85 °C
Relative air humidity	95 % without condensation
Resistance to harmful substances	acc. to IEC 60068-2-42 and IEC 60068-2-43
Maximum pollutant concentration at relative humidity < 75%	SO ₂ ≤ 25 ppm H ₂ S ≤ 10 ppm
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
Pollution degree II	acc. to IEC 61131-2
Air and creepage distance	acc. to IEC 60664-1
Degree of protection	IP20
Length of entire node	≤ 831 mm

Without taking protective measures the WAGO-I/O-SYSTEM 750 and 753 must not be used:

- in places with unfavorable conditions, for example with dust, corrosive vapors or gases
- in places with high ionizing radiation