

Coupler module for internal data bus extension

Item No.: 750-628



Coupler module for internal data bus extension

Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	750-628
EAN	4045454830991
Content	1
Order amount	1
Customer item number	

Notes

The coupler module for the internal data bus extension module 750-628 replaces the fieldbus coupler/controller at an I/O terminal block. It is also the mating piece for the end module 750-627. Plug the connecting cable into the top RJ-45 socket to establish the logical link to the fieldbus coupler/controller via end module 750-627. The extension is completely transparent for the fieldbus coupler/controller. All of the functions of the I/O module system are retained without any changes. A further extension to the system is provided by the bottom RJ-45 socket. This enables the entire system to be extended by 10 stages. The supply voltage for the field side and the internal electronics can be input separately. Both levels are electrically isolated from each other. Two diagnostic LEDs give information about the supply voltage for both the internal and field side. Two LEDs in the input socket indicate fault-free communication with the bus coupler. The extension module can be used as the last coupler module in the system (switch on matching resistor) or as a bridge between two I/O module assemblies. Installation note Attention: In order to guarantee safe operating conditions when using the internal data bus extension module 750-627/-628, these must be registered with the following couplers and controllers (750-304, 750-306, 750-310, 750-319, 750-324, 750-333, 750-337, 750-340, 750-342, 750-370, 750-804, 750-806, 750-819, 750-830, 750-833, 750-837, 750-841, 750-842, 750-849), including all various versions thereof. You must use the "WAGO Extension Setting" software for this (download: www.wago.com). Please note that only one terminating resistor may be activated in the whole system. Please complete the manufacturing number matrix on the right-hand side of the couplers when updating the firmware and internal operating parameters.

Technical data	
Miscellaneous	
Color	light gray
Conformity marking	CE
Buscoupler connection	2 x RJ-45 socket (input + output)
Max. no. of I/O modules	64 (in the whole system)
Power supply	24 V DC (-15 % ... +20 %)
Max. input current (24 V) [mA]	200 [mA]
Efficiency of the power supply [%]	76 [%]
Internal current consumption (5 V) [mA]	150 [mA]
Total current for I/O modules (5 V) [mA]	400 [mA]
Isolation	500 V system/supply
Voltage via power jumper contacts	24 V DC (-15 % ... +20 %)
Current via power jumper contacts (max.) [A]	10 [A]
Inrush current	2.5 x continuous current
Degree of protection	IP20
Connection technology (1)	CAGE CLAMP®
Cross section from (1) [mm²]	0.08 [mm²]
Cross section up to (1) [mm²]	2.5 [mm²]
Cross section from (1) [AWG]	28 [AWG]
Cross section up to (1) [AWG]	14 [AWG]
Stripped length from (1) [mm]	8 [mm]
Stripped length up to (1) [mm]	9 [mm]
Stripped length (1) [in]	0.33 [in]
Strip length from (2) [mm]	8 [mm]
Strip length up to (2) [mm]	9 [mm]
Strip length (2) [in]	0.33 [in]
Weight [g]	75.232 [g]
Width [mm]	25 [mm]
Width [in]	0.984 [in]
Height [mm]	65 [mm]
Height [in]	2.559 [in]
Length [mm]	100 [mm]
Length [in]	3.937 [in]
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation) [%]	95 [%]

Technical data

Type of mounting	DIN 35 rail
Operating temperature	0 °C ... +55 °C
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
Shock resistance	acc. to IEC 60068-2-27
Vibration resistance	acc. to IEC 60068-2-6

Approbation

Item No.	Registration	Registration no.	Voltage [V]	Current [A]	Cross section [mm², AWG]
750-628	BSH	Bescheinigung Nr. 467			
750-628	GL	19 741 - 11 HH			
750-628	PTB	DEKRA 11 ATEX 0203 X			
750-628	UL	E175199 Sec.1			

Accessories

Accessories*Carrier rail*

Item no.	Description	Pack. unit (Sub Pack)
210-112	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to en 60715; "Hole width 25 mm	1
210-113	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to en 60715	1
210-114	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; according to en 60715	1
210-115	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to en 60715; "Hole width 18 mm	1
210-118	Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to en 60715	1
210-196	Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; according to en 60715	1
210-197	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; according to en 60715	1
210-198	Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to en 60715	1
210-504	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	1
210-505	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	1
210-506	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; ähnlich EN 60715	1
210-508	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; ähnlich EN 60715	1

Accessories

Marking accessories

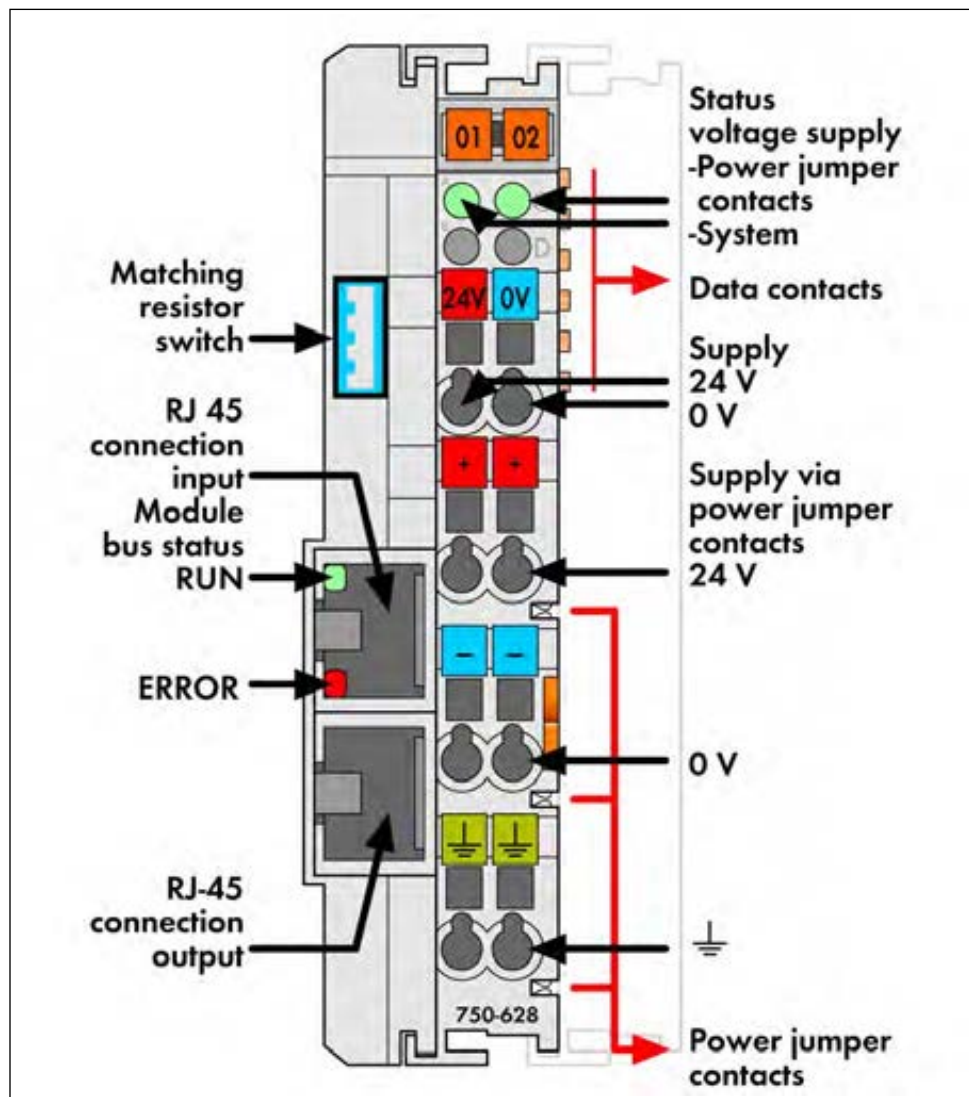
Item no.	Description	Pack. unit (Sub Pack)
2009-145	Mini-WSB Inline; plain; 1,700 Mini-WSB markers (5 mm) on roll; stretchable 5 - 5.2 mm	1
248-501	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-002	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-005	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-006	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-007	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-012	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-017	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-023	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-024	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
750-100	Markers for group marker carrier; DIN A4 sheet (160 markers)	1
750-103	750/753 Series marker carrier	50

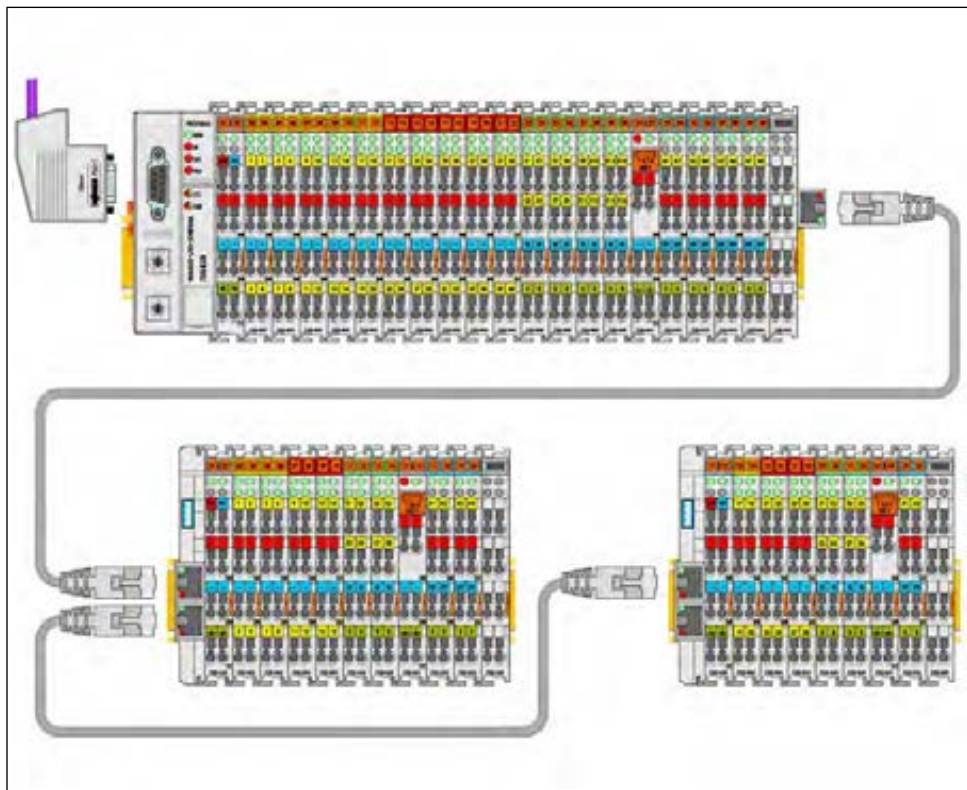
General accessory

Item no.	Description	Pack. unit (Sub Pack)
210-719	Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm; suitable for 279, 726, 727, 2000, 2001 and 2020 series	1
210-720	Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm; suitable for 260, 261, 262, 264, 270, 280, 281, 290, 775, 776, 777, 769, 780, 781, 869, 870, 880, 2002, 2003, 2004, 2005 and 2022 Series	1
750-920	Communication cable	1
790-108	Shield clamping saddle; 11 mm wide; diameter of compatible conductor; up to 8 mm	10
790-116	Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 mm to 16 mm	10
790-124	Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 mm to 24 mm	10
790-140	Shield clamping saddle; 43 mm wide; diameter of compatible conductor; 22 mm to 40 mm	10

Images & drawings







Address

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Telefon: 0571/887-0

Fax: 0571/887-169

<http://www.wago.com>

© WAGO Kontakttechnik GmbH & Co. KG

Technische Änderungen und Irrtümer vorbehalten.