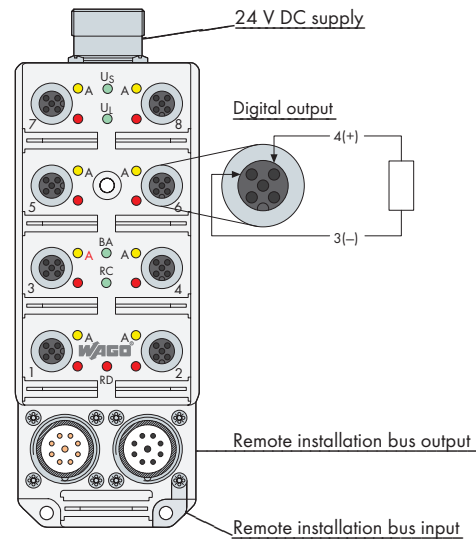


INTERBUS Remote Installation Bus Slave

8 digital outputs



This item is a remote installation bus slave.

Up to 8 digital outputs can be used to connect DC actuators. The outputs are connected via M12 circular connectors. The outputs are short-circuit-proof. A short circuit is indicated by LEDs for each channel. The fieldbus is connected via M23 circular connectors. The status of the fieldbus is indicated by LEDs. The supply voltage for the module is derived from the fieldbus connection. The remote installation bus module has an auxiliary power supply (M23 circular connector) for the actuators.

The power supply of the fieldbus and of the module electronics are electrically isolated from each other.

Description	Item No.	Pack. Unit
INTERBUS Remote Installation Bus Slave 8DO 24V DC 2A	755-112	1
Accessories		
Bus cable, power supply cable	Page 471	
Sensor/actuator cable	See section 5, pages 494 ... 507	
Other accessories	Page 472	
Standards and Approvals		
Standard	EN 50254	
Certification	INTERBUS CLUB	
Conformity marking	CE	

System Data	
Total length	Remote bus 13 km / remote installation bus 50 m
Total length	Remote bus 400 m / remote installation bus 50 m
Topology	Ring structure
No. of couplers connected to Master	256
Addressing	automatically
Baud rate	500 kbaud
Communication	Shift register message with all information for all devices
User hierarchy	Mono Master
Cycle time	depends on number of devices
Transmission medium	certified Cu cable
Terminating resistor	no



Digital output



Pin	Function
1	n.c.
2	n.c.
3	0 V
4	Signal
5	Earth

24 V DC supply



Pin	Function
1	Earth
2	+24 V
3	0 V
4	n.c.
5	n.c.
6	n.c.

Remote installation bus Input



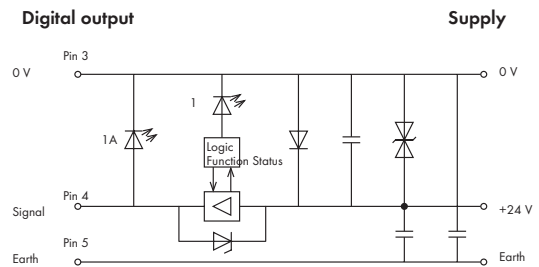
Pin	Function
1	DO
2	DO
3	DL
4	DI
5	GND
6	Earth
7	+24 V
8	0 V
9	n.c.
Enclosure	Earth

Remote installation bus Output



Pin	Function
1	DO
2	DO
3	DL
4	DI
5	GND
6	Earth
7	+24 V
8	0 V
9	RBST
Enclosure	Earth

Basic wiring diagram of an output



Technical Data

Slave profile	
ID code	09 dec.
Power supply - electronics	
Nominal voltage	24 V DC
Voltage range	19 V ... 30 V DC
Current consumption	max. 70 mA
Reverse voltage protection	yes
Operating indicator (U _I)	LED green
Power supply - actuators	
Nominal voltage	24 V DC
Voltage range	19 V ... 30 V DC
Electrical insulation	yes
Reverse voltage protection	yes (unregulated power supply unit required, 10 A medium time-lag fuse)
Actuator supply indication (U _S)	LED green
Outputs	
Nominal output current	2 A per channel
Max. current consumption per module	15 A
Number of channels	8
Type of channel	PNP, positive switched; short circuit proof
Status indication for each channel	LED yellow

Technical Data

General specifications	
Degree of protection	IEC IP 67 (NEMA Type 4-6 P)
Ambient operating temperature	0 °C ... +60 °C
Weight	580 g
Dimensions (mm) W x H x L	60 x 48 x 169*
* including flange sockets	
Diagnostic indication	
LED 1 ... 8 A	Indicator yellow: channel active
LED 1 ... 8	Indicator red: actuator short circuit
LED U _S	Indicator green: actuator supply active
LED U _I	Indicator green: module supply active
LED BA	Indicator green: bus active
LED RC	Indicator green: remote bus input connected
LED RD	Indicator red: remote bus output disconnected
Bit assignment	
Byte 1	Bit 0 ... 7 / Actuator 1 ... 8