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IDENTIFICATION SYSTEMS

Network Interface Card

BIBS 70

REFERENCES

Each suffix determines the type of tag the unit can exchange data with on the corresponding channel: e.g. BIBS 70 **AA** is designed for OM**A** tags reading/writing on both channels.

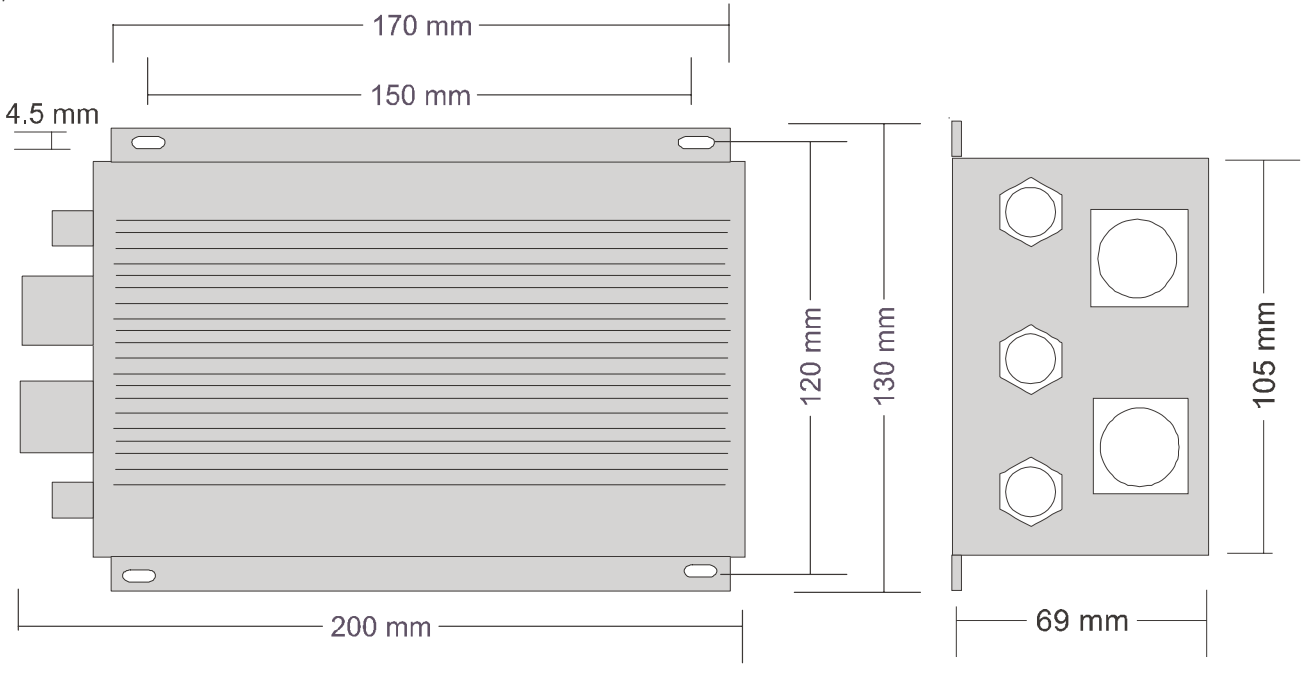
DESCRIPTION

The BIBS 70 is an InterBus-S ® compatible interface designed for two R/W heads (transceivers).
It is connected on the main bus with the module number 241.

It manages:
- the input /output channel to provide the master module (PC or PLC) with the status of the two transceiver channels,
- the PCP channel to transfer the data, requests and commands.

Its sound design makes it field mountable (on a conveyor or a chassis).
The installation is easy and cost effective.

DIMENSIONS

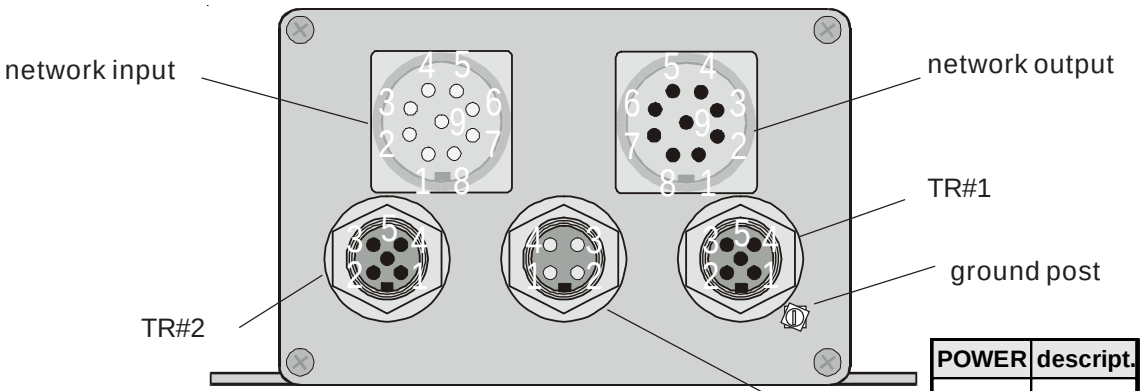


CHARACTERISTICS

	Parameters	MIN	NOM	MAX	Units
General	Ambient temperature	0		55	°C
	Protection rating		IP 65		-
	Case		Aluminium		-
	Weight		810		g
Power	Supply direct voltage (ripple included)	21	24	29	V
	Protection against polarity reversal		yes		-
	Supply current (add that of R/W heads) @ 24VDC			200	mA

CONNECTIONS

NETWORK	1	2	3	4	5	6	7	8	9
input	DO	/DO	DI	/DI	COM	ground	internally connected	internally connected	nc
output	DO	/DO	DI	/DI	COM	ground			/RBST



POWER	descript.
1	+24VDC
2, 3	nc
4	0 V

R/W HEADS	1	2	3	4	5
Description	Ucc	Output from head	Input into head	0V	ground

Shield connection for cables connected to the sockets :

Power supply: no shield.

Network: refer to the InterBus-S® specifications.

R/W heads: refer to the head data sheet for cable requirements;

• cables with overall shield: the overall shield must compulsorily be in contact over 360° to the metallic cable connector housing.

• cables with overall shield + shielded pairs: the overall shield must compulsorily be in contact over 360° to the metallic cable connector housing, while the pair shields are connected to pin 5 (optional);

• cables with shielded pairs, without overall shield: the pair shields must be connected to the metallic cable connector housing.

INDICATOR LIGHTS

BUS STATUS					TR#1 status			TR#2 status		
24 V	R-Bus check	Bus Active	Transmit Receive	RBDA	Com. in Progress #1	Tag Presence #1	Error #1	Com. in Progress #2	Tag Presence #2	Error #2
Led 1	Led 2	Led 3	Led 4	Led 5	Led 6	Led 7	Led 8	Led 9	Led 10	Led 11