

Stationary interface between M=BUS data loggers and PC with USB 1.1 standard that supplies power, trigger and network signal.

- Support of one bus line
- Plug and play USB connectivity
- USB full speed



TECHNICAL SPECIFICATIONS

Max. number of M=BUS lines / Max. number of channels	1 / 6 (M=BUS Indummy) with USB power 1 / 192 (M=BUS Indummy), 48 (M=BUS Pro) with external power
Supply voltage	18...22 VDC
Static power consumption (unloaded)	47 mW
Max. power consumption with full sensor load	22 W
Trigger	Trigger-Bus (RS 485), 5V-TTL compatible, insulated 300 V
Communication	USB 1.1
Dimensions (L x W x H)	95 mm x 80 mm x 32 mm
Weight	218 g
M=BUS connectors	MMCX female
Operating temperature	0...50 °C
Humidity range	10...70 % RH

- Scope of supply**
- M=BUS USB Gateway
 - Power supply and cable (3 m)
 - USB cable for M=BUS USB Gateway (3 m)
 - Trigger switch

- Required equipment**
- CrashSoft control software

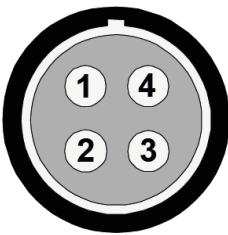
- Options**
- M=BUS Indummy Logger
 - M=BUS Indummy Active Terminator
 - M=BUS Pro Analog Logger
 - M=BUS Pro Digital Logger
 - M=BUS Pro Active Terminator

PIN ASSIGNMENT

Pin	Description	Pin	Description
1	USB +5 V	5	Not connected
2	USB Ground	6	Not connected
3	USB Data +	7	Not connected
4	USB Data -		

Figure 1: Pin assignment USB connection (socket view, device)

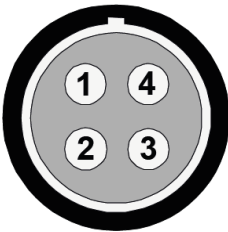
Use this plug: LEMO FGB.1B.307...



Pin	Description	Pin	Description
1	Trigger 5 V / 120 mA	3	Trigger signal A
2	Trigger signal B	4	Trigger isolated ground

Figure 2: Pin assignment trigger bus (socket view, device)

Use this plug: LEMO FGG.1B.304...



Pin	Description	Pin	Description
1	Supply +22 V	3	Not connected
2	Ground	4	Not connected

Figure 3: Pin assignment power supply (socket view, device)

Use this plug: LEMO FGG.2B.304...

Description of LED meanings:**LED flashing speed, color:**

Turn on (only during connecting of the gateway)	Medium, green
After trigger	Fast, red
Scan the bus line	Slow, green
Armed	On, red
Arming stopped	On, green
Download and end of data recording	Slow, red

TRIGGER BUS

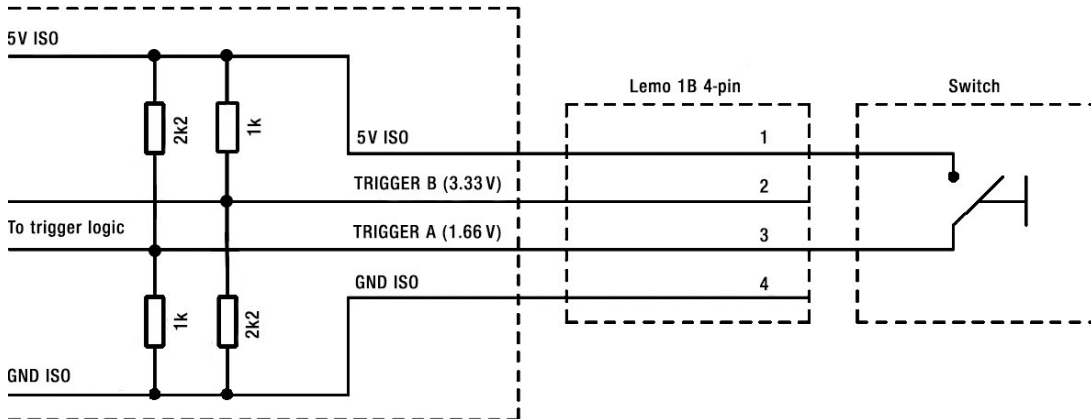


Figure 4: Schematic for trigger switch

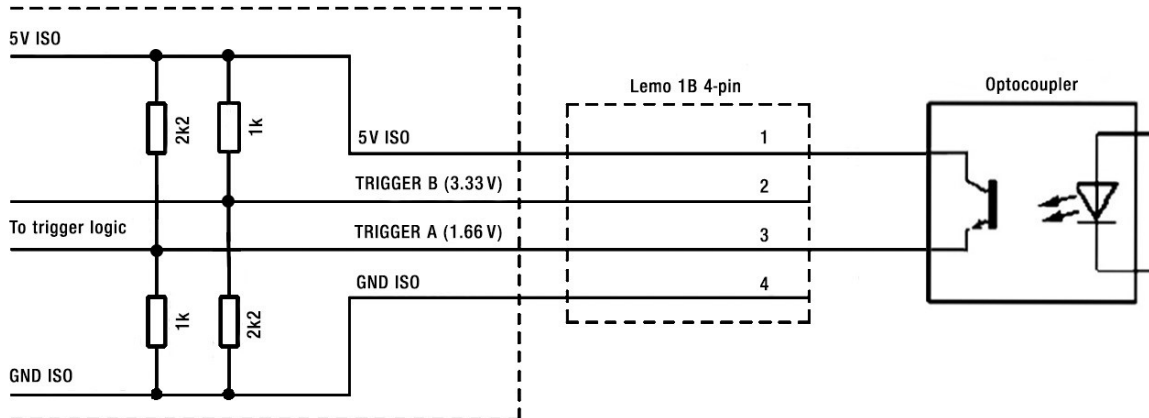


Figure 5: Schematic for optocoupler

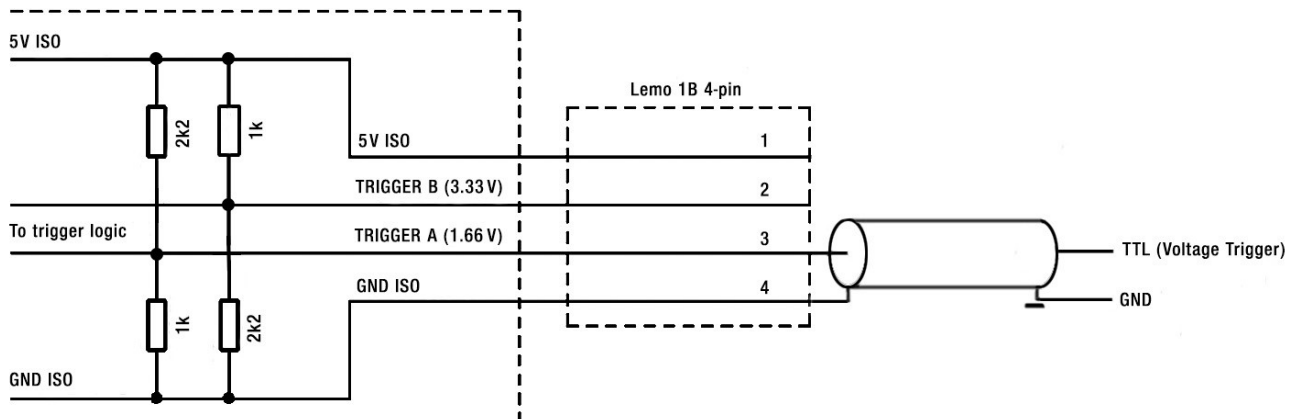


Figure 6: Schematic for TTL