

Installation and operating instructions

ISOBUS-Joystick PRO



Version: V3.20191001



3232258620-02-EN

Read and follow these instructions. Keep these instructions in a safe place for later reference. Please note that there might be a more recent version of these instructions on the homepage.

Company details

Document

Installation and operating instructions
Product: ISOBUS-Joystick PRO
Document number: 3232258620-02-EN
Original instructions
Original language: German

Copyright ©

Müller-Elektronik GmbH
Franz-Kleine-Straße 18
33154 Salzkotten
Germany
Phone: ++49 (0) 5258 / 9834 - 0
Fax: ++49 (0) 5258 / 9834 - 90
Email: info@mueller-elektronik.de
Homepage: <http://www.mueller-elektronik.de>

Table of contents

1	Product description	4
1.1	Using the joystick	4
1.2	Meaning of the LED lights	4
1.3	Information on the rating plate	5
1.4	EU declaration of conformity	6
2	Assembly instructions	7
3	Operation	8
3.1	Assigning functions	8
3.2	Executing functions	8
3.3	Viewing functions	8
4	Technical specifications	9
4.1	Technical specifications of the joystick	9
4.2	Pin assignment CPC connector	9
4.3	Disposal	9
5	List of accessories	10

1 Product description

1.1 Using the joystick



①	Nine buttons	④	Rating plate
②	LED lights	⑤	CPC connector for connection to the vehicle's ISOBUS In-Cab-Connector
③	Level switch		

The ISOBUS-Joystick PRO is an ancillary operating device which can rapidly access the functions of an ISOBUS job computer.

The joystick is fitted with nine buttons and a single level switch, which enables switching between two levels. This enables the actuation of a total of 18 functions on the ISOBUS job computer. The current level is indicated by an LED.

The joystick can be used to operate ISOBUS job computers which support the Auxiliary-N protocol.

1.2 Meaning of the LED lights

The joystick has three LED lights which display the current state of the joystick.



①	Green LED light
②	Yellow LED light
③	Red LED light

Light	Meaning
①	The connection between joystick and vehicle is active.
②	The joystick is connected to the terminal successfully.
③	The red level of the joystick is active. If this LED does not light up, the blue level is active.

1.3

Information on the rating plate

The nameplate is located on the underside of the joystick.

Abbreviations on the rating plate

Abbreviation	Meaning
K.-Nr.:	Customer number If the product was manufactured for an agricultural machinery manufacturer, the agricultural machinery manufacturer's item number will be shown here.
HW:	Hardware version
ME-NR:	Müller-Elektronik item number
DC:	Operating voltage The product may only be connected to voltages within this range.
SW:	Software version upon delivery
SN:	Serial number

2 Assembly instructions

Procedure

You fit the joystick as follows:

1. Fit the joystick next to the driver on the in the vehicle cab. Use the supplied bracket.
 2. Plug the connector into the ISOBUS in-cab-connector of your vehicle.
 - ⇒ The joystick is now connected to your vehicle.
- ⇒ When the vehicle is switched on, the LED on the joystick lights up.

3 Operation

3.1 Assigning functions

You assign ISOBUS job computer functions using the terminal. You can read how to do this in the operating instructions for the terminal.

3.2 Executing functions

Each button on the joystick can be assigned with two functions. The position of level switch determines the function which is performed when the button is pressed.

Position of the switch	Level
Locked	Red – the LED lights up.
Unlocked	Blue – the LED does not light up.

Procedure

To operate the joystick:


1. Put the level switch into the desired position.
 - ⇒ The LED lights up depending on the selected position.
2. Press the button with the desired function.
 - ⇒ The function will be activated.
3. Release the button to exit the function.

3.3 Viewing functions

Procedure

To view the functions which are assigned to the joystick:

- The job computer is connected to the ISOBUS power socket.
- You have assigned functions to the joystick.

1. Start the terminal.
2. Open the selection menu.
3.  – Open the Joystick application.

⇒ The following screen appears:



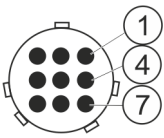
⇒ You can then see which joystick button has been assigned to an ISOBUS job computer function. The current level is also shown on the screen.

4 Technical specifications

4.1 Technical specifications of the joystick

Operating voltage	8 V to 32 V
Temperature range	-40°C to +85°C
Maximum current consumption	100 mA

4.2 Pin assignment CPC connector



Pin	Signal	Pin	Signal
1	12 VE	6	
2	CAN_L	7	12 VE
3	CAN_L	8	
4	CAN_H	9	0 VE
5	CAN_H		

4.3 Disposal



When it has reached the end of its service life, please dispose of this product as electronic scrap in accordance with all applicable waste management laws.

5 List of accessories

Item number	Designation
31322594	Y adapter cable with CPC and Sub-D connection
3032257801	CPC multiple socket to connect up to four operating devices