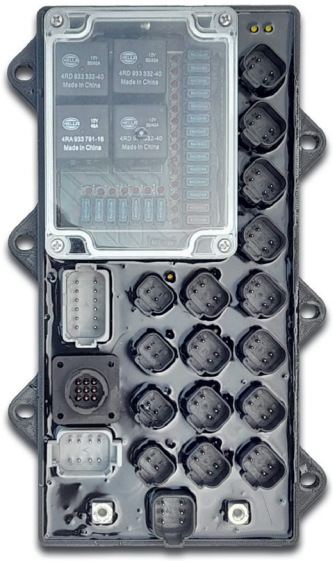
BUCHER automation

JXM-CE-60A

Central Electrical Unit



- Simple connection of the ISOBUS cable from the tractor
- Power supply for up to 6 JXM-IO-EX modules
- 4 integrated relays for switching high currents, e.g. for work lights
- All loads are protected by standard automotive fuses
- Easy commissioning and diagnostics via ISOBUS InCab connector on the central electrical unit

Description

The JXM-CE-60A central electrical unit offers a simple and efficient way to wire complex agricultural machinery.

The ISOBUS cable can be connected directly to the central electrical unit. Power and ISOBUS signals are distributed from the unit to various devices, such as the JCM-501 controller and up to six EA modules of the JXM-IO-EX series.

For easy commissioning and diagnostics, an ISOBUS terminal can be connected directly to the ISOBUS via an InCab connector on the central electrical unit.

In addition, the unit features four relays for switching high-current loads, such as work lights. All loads are protected by easily accessible fuses.

Pinout

XP1 – Power supply for IO module 1

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XP2 – Power supply for IO module 2

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XP3 – Power supply for IO module 3

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XP4 – Power supply for IO module 4

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XP5 – Power supply for IO module 5

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XP6 – Power supply for IO module 6

V_BAT+_1	1
V_BAT+_1	2
V_BAT-	3
V_BAT-	4

Pinout

XS1 – ISOBUS data connector

ECU_PWR 1	1
TBC_PWR	2
ISOBUS_H	3
ISOBUS_L	4
TBC_GND	5
ECU_GND	6

Pinout

XS3 – ECU power supply and CAN

E30_PWR_1	1
CAN_L	2
ECU_GND	3
CAN_H	4

Pinout

XS4 – ECU power supply and CAN

ECU_PWR	1
CAN_L	2
ECU_GND	3
CAN_H	4

Pinout

XS5 – Connection to JCM-501

GND	1
USB_+5V	2
USB_D+	3
USB_D-	4
USB_GND	5
ECU_PWR	6
RS232_TxD	7
RS232_RxD	8
CAN1_L	9
CAN1_H	10
CAN2_L	11
CAN2_H	12

Pinout

XS6

TBC_PWR	1
CAN_H_In	2
TBC_GND	3
CAN_L_In	4
ECU_PWR	5
ECU_GND	6
CAN_L_Out	7
CAN_H_Out	8

Pinout

XS7 - ISOBUS InCab connector

-	1
ISOBUS_L	2
ISOBUS_L	3
ISOBUS_H	4
ISOBUS_H	5
TBC_PWR	6
ECU_PWR	7
TBC_GND	8
ECU_GND	9

Pinout

XS8 - Output relay 1

Relay control signal 1	1
CAN_L	2
V_BAT-	3
CAN_H	4

Pinout

XS9 – Output relay 2

V_BAT-	1
Relay control signal 2	2
V_BAT-	3
Relay control signal 2	4

Pinout

XS10 - Output relay 3

Relay control signal 3	1
V_BAT-	2
Relay control signal 3	3
V_BAT-	4

Pinout

XS11 - Output relay 4

Relay control signal 4	1
V_BAT-	2
Relay control signal 4	3
V_BAT-	4

Pinout

XK1 - Relay control signal 1

-	1
-	2

Pinout

XK2 - Relay control signal 2

-	1
-	2

Pinout

XK3 - Relay control signal 3

-	1
-	2

Pinout

XK4 - Relay control signal 4

-	1
-	2

Pinout

X1 - ISOBUS Power +

V_BAT+_1	1

Pinout

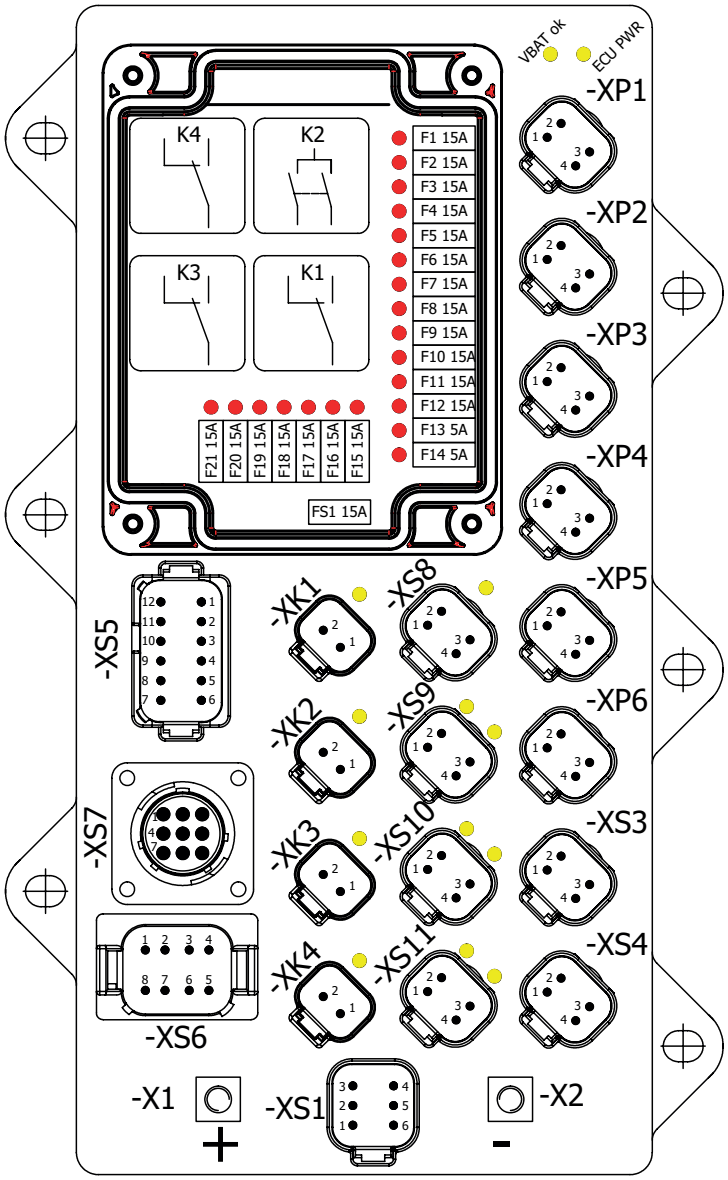
X2 - ISOBUS Power -

V_BAT-	1

Fuses

F1: Fuse for XP1 Pin 2	15 A
F2: Fuse for XP1 Pin 1	15 A
F3: Fuse for XP2 Pin 2	15 A
F4: Fuse for XP2 Pin 1	15 A
F5: Fuse for XP3 Pin 2	15 A
F6: Fuse for XP3 Pin 1	15 A
F7: Fuse for XP4 Pin 2	15 A
F8: Fuse for XP4 Pin 1	15 A
F9: Fuse for XP5 Pin 2	15 A
F10: Fuse for XP5 Pin 1	15 A
F11: Fuse for XP6 Pin 2	15 A
F12: Fuse for XP6 Pin 1	15 A
F13: Fuse for XS3 Pin 1 - ECU_PWR	5 A
F14: Fuse for XS4 Pin 1 - ECU_PWR	5 A
F15: Fuse for XS8 Pin 1 - Output Relay 1	15 A
F16: Fuse for XS9 Pin 2 - Output Relay 2	15 A
F17: Fuse for XS9 Pin 4 - Output Relay 2	15 A
F18: Fuse for XS10 Pin 2 - Output Relay 3	15 A
F19: Fuse for XS10 Pin 4 - Output Relay 3	15 A
F20: Fuse for XS11 Pin 2 - Output Relay 4	15 A
F21: Fuse for XS11 Pin 4 - Output Relay 4	15 A
FS1: Bridge between VBAT_PWR and VBAT_ECU, not installed by default	15 A

Connection diagram



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Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

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