

Assembly Instructions M8151-EN

Retrofit kit Interface ZO with USR-51 (u/ID 27710)

Retrofit kit Interface ZO (u/ID 27698)

Purpose

Retrofitting Interface OPC UA

Precondition



WARNING!

Danger for unauthorized persons!

Conversion work may only be carried out by specialist staff who have been trained accordingly.

Therefore:

- Keep unauthorized persons away from the work area.



NOTE!

Knowledge of the Instruction Manual is a precondition for carrying out conversion work on the unit.

Procedure



DANGER!

Danger to life caused by electric current!

Touching conductive parts causes a direct danger to life.

Therefore:

- Remove the plug from the mains before carrying out any work on the unit.



WARNING!

Danger of crushing due to rolling away or tipping

With an uneven floor or when the castors are not locked, there is a danger that the unit tips over or rolls away causing crushing.

Therefore:

- Only install the unit on an even floor.
- Ensure that the castors are locked.

1. Proceed as follows in order to cool down the unit.
 - Display menu page **Functions**.
 - Select the function **Cooling** and activate with the **OK** key.→ The activated function is indicated with the **✓** symbol.
2. Main switch off, remove the plug from the mains and empty the unit.
3. Loosen the screws in the front panel and hinge it down.
4. Loosen fixing screws of GIF-51 (A 4) and tilt the GIF-51 to the back.
5. Proceed as follows in order to remove the Interface plate:
 - Disconnect all plug-in connections on the USR-51 or on additional boards
 - Remove the mounting screws from the interface plate.
 - Change existing interface cables to new interface plate.
 - Insert new interface plate.
 - Install the mounting screws of the interface plate
 - Reconnect all connections, except for the Ethernet cable (ZO).

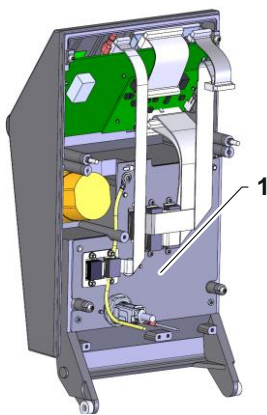


Fig. 1: Interface plate

With 27710

6. Proceed as follows in order to remove the USR-51 (A 1) with display (A 2):
 - Loosen the fixing screws from the USR-51 and unplug all connectors.
 - Completely remove the USR-51 and display from the unit.
7. Proceed as follows in order to remove the display from the USR-51:
 - Bend back the metall bracket (see Fig. 2)
 - Unplug connector of display and USR-51.

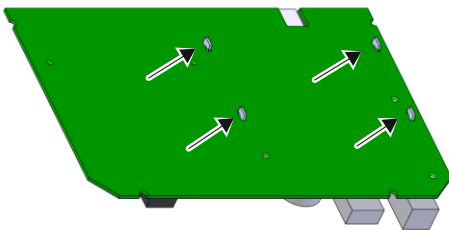


Fig. 2: Rear of USR-51

8. Proceed as follows in order to replace the USR-51:
 - Place existing optional plates on the new USR-51, when available.
 - Reconnect the display to the USR-51.
 - Insert the display with bracket onto the new USR-51 and bend back the metal brackets.
9. Proceed as follows in order to mount the USR-51:
 - Plug in all connectors.
 - Mount the USR-51 with display using the screws.

With 27710 and 27698

10. Proceed as follows in order to mount the GIF-51:
 - Hing down GIF-51 and fix with screws.
 - Plug in all connectors.
11. Connect the Ethernet cable (marking 1 → Fig. 3) from interface ZO according to Fig. 3 and connect it to USR-51 (A 1).

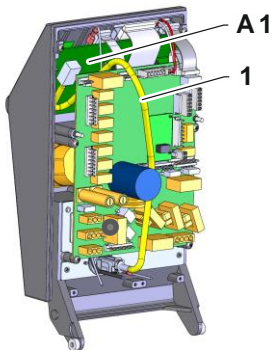


Fig. 3: Interior front

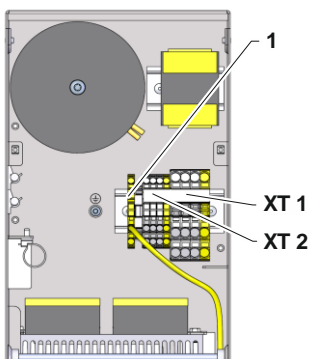


Fig. 4: View electrical part

12. Terminal 3-pol. With earthing wire of the ZO interface on the support rail (marking 1 → Fig. 4) for XT 1 or XT 2 attach.

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13. Close and secure the front panel.
14. Reconnect mains plug and switch on main switch.




NOTE!

The unit will maybe perform an automatic software update.



HINWEIS!

The software version SW51-2_1714 or later is required for the use of the additional equipment ZO (interface OPC UA).

15. Check date and time and if necessary adjust (see Operating instructions: chapter Operation).
16. Check unit functions.
17. Switch the unit off by press the  key.
18. Main switch off.

Parts list

Pos	Description	O/ID	O/ID	
			27710	27698
			Pcs	Pcs
01	Printed circuit board USR-51 with Ethernet	27448	1	-
02	Cover plate 164x150x1,5 (premounted)	24529	1	1
03	Cover plate 28x18 (premounted)	24839	1	1
04	Screw M3x6 Torx-8.8 galvanized (premounted)	B1982990	8	8
05	Cover plate 54x35 (premounted)	24532	1	1
06	Screw M4x6 Torx-8.8 galvanized (premounted)	B1983547	4	4
07	Cover plate 32x17 (premounted)	24534	2	2
08	Sheet metal 40x32x1,5 (premounted)	24617	1	1
09	Cover plate 41x15 (premounted)	24533	1	1
10	Cover plate 38x22x1 (premounted)	24530	1	1
11	Cover plate 44x29x1 (premounted)	27623	1	1
12	Cable RJ45 socket / connector HAN (premounted)	27592	1	1
13	Wire gn-ge 2,5 mm2x440 (premounted)	L0663	1	1
14	Clamp 3-pol. 2,5/4,0 mm2 gb-gn (premounted)	24553	1	1
15	Shield Interface plate ZO	27677	1	1
16	Shield interface plate /ZP	25196	1	1
17	Shield interface plate HB	25198	1	1
18	Shield interface plate ZP	25197	1	1
19	Cable ties 2,5x100	13273	1	1
20	Rating plate	19277	1	1
21	Assembly instruction German	M8151-DE	1	1
22	Assembly instruction English	M8151-EN	1	1
23	Assembly instruction French	M8151-FR	1	1