

# Assembly Instructions M8123-EN

## Spare part heat sensor (O/ID T26414)

### Purpose

Replacement of heat sensor (BT 2.x)

### 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:

- For all work on the electrical system, for maintenance, cleaning or repair work, disconnect from the mains or disconnect all phases of the external power supply and secure them against being switched on again. Check unit is isolated from power supply.



**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.

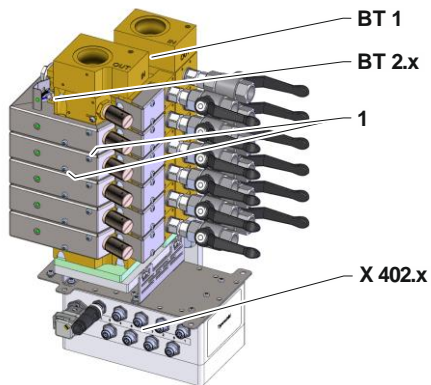
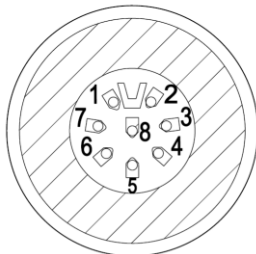


Fig. 1: Flow-5, autonom. module




1	rt	
2	ws	BB 1.x
3	rt	BB 2.x
4	ws	
5	rt	BT 2.x
6	ws	
7	rt	HL 1.x
8	ws	

Side connector

Fig. 2: Connection of temperature sensor  
Return line to 8 pole cable plug.

1. Proceed as follows in order to cool down the unit and empty the mould (mould evacuation)
  - Display menu page **Functions**.
  - Select the function **Cooling** and activate with the **OK** key.
  - Select the function **Mould evacuation** 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. Replace temperature sensor return line (BT 2 x) at measuring circuit x while proceeding as follows:
  - Disconnect the cable plug from the socket (X 402.x) → Fig. 1) at the evaluation unit.
  - Remove screws (Label 1 → Fig. 1) and cover from measuring circuit x .
  - Disconnect the temperature sensor (BT 2.x → Fig. 1) at the measuring circuit x.
  - Open 8 pin cable plug and replace the defective temperature sensor (BT 2.x) with a new one (→ Fig. 2).
  - Close 8 pin cable plug and connect it to the socket (X 402.x → Fig. 1).
  - Attach a new temperature sensor (→ Fig. 1) at measuring circuit x.
  - Attach covers with screws (Label 1 → Fig. 1) at the measuring circuit x .

4. Reconnect mains plug and switch on main switch.
5. Press the  key to switch on the unit and check it for leaks.
6. Proceed as follows in order to calibrate the temperature sensor:
  - When setting parameters set **DFM recognition** to the "integrated" value (in **Settings / Various**), continue with Step 7.
  - When setting parameters set **DFM recognition** to the "modular" value (in **Settings / Various**), continue with Step 8.

## Integrated operation

Service ▶ Calibrating ▶ Temperature			
Sensor external offset		0.0 K	
Sensor external ascent corr.		0.0 %	
Sensor external filter		15 s	
Sensor main l. ext.1 offset		0.0 K	
Sensor return l. ext.1 offset		0.0 K	
Sensor return l. ext.1 asc.cor.		0.0 %	
Sensor return l. ext.2 offset		0.0 K	
Sensor return l. ext.2 asc.cor.		0.0 %	
1	Main line	40.2 °C	Normal operation
	Flow rate	5.0 l/min	



Fig. 3: Sensor calibration during integrated operation


Service ▶ Calibrating ▶ Temperature			
No.	1 A..Z	A A1 A2 A3 A4 A5 ...	◀ ▶
Sensor main line offset		0.0 K	
Sensor main line ascent corr.		0 %	
Sensor main line filter		20 s	
Sensor return line offset		0.0 K	
Sensor return line ascent corr.		0 %	
Sensor return line filter		20 s	
A	Return line	26.9 °C	Normal operation
7	Flow rate	0.6 l/min	

Fig. 4: Sensor calibration during modular operation

7. Temperature sensor main line ext 1..8 and temperature sensor return line ext. Proceed as follows in order to calibrate 1..8 , if necessary, the temperature sensor:
  - With a constant deviation set parameter **Sensor... offset** under **Service / Calibration / Temperature**.
  - With a linear deviation, set parameter **Sensor... asc.cor.** under **Service / Calibration / Temperature**.

## Operation Modular

8. Proceed as follows, if necessary calibrate the temperature sensor for the main line and temperature sensor of the return line:
  - Select the module affected e.g. "A1" with the  or  buttons.
  - With a constant deviation set parameter **Sensor... offset** under **Service / Calibration / Temperature**.
  - With a linear deviation, set parameter **Sensor... asc.cor.** under **Service / Calibration / Temperature**.

9. Switch the unit off by press the  key.
10. Main switch off.

### Parts list

Pos	Description	O/ID	Pcs
01	Heat sensor Pt 1000, 1,27 m	T26379	1
02	Assembly instructions German	M8123-DE	1
03	Assembly instructions English	M8123-EN	1
04	Assembly instructions French	M8123-FR	1