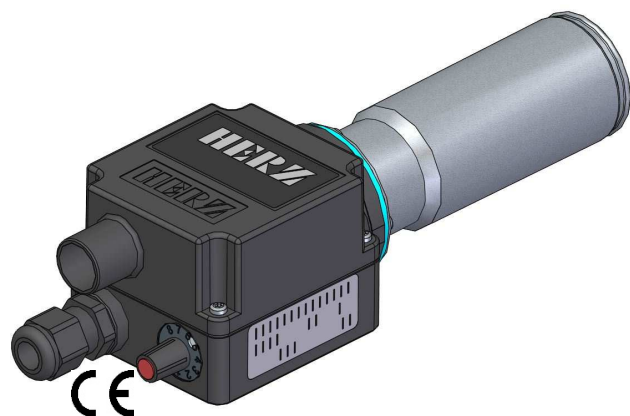


Air heater type S36 from 1,8 to 3,3 KW



Function: Air heater with external air supply by means of fan or compressed air.
CAUTION !!! Device is not pressure-resistant !!!

Configuration: Default: Temperature control with potentiometer (1 – 8)
 - alternatively with external potentiometer (cable length 5 meter) or
 - external control by control unit or SPS (cable length 5 meter)
 The device is equipped with a reliable heating element protection. The integrated device protection turns off the device when tripped and resets automatically after cooling down. A reset is not required.

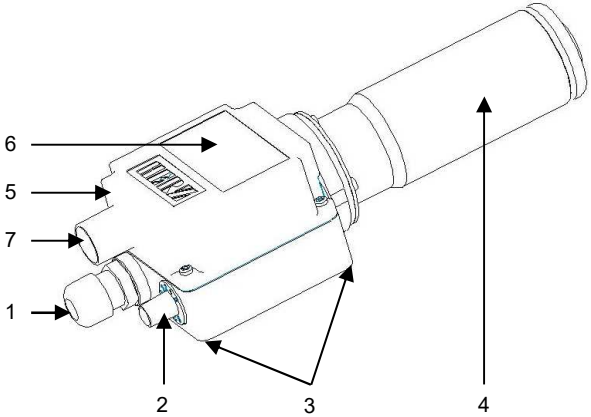
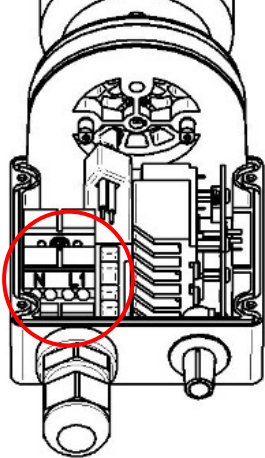
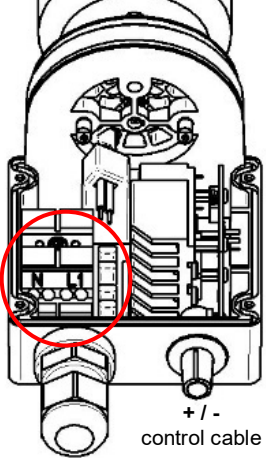
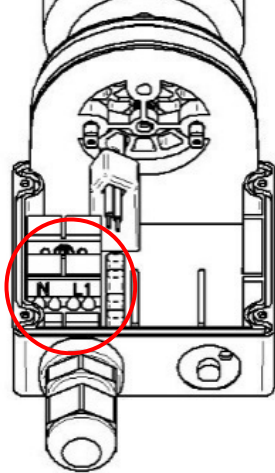
Features: Special design with internal thermocouple (cable length 1 or 5 meter):
 - for devices with electronic equipment max. supply air temperature 50°C
 - the unit is available without electronics (without heating element protection)
 - for devices without electronic equipment max. supply air temperature 80°C

Power: 1,8 KW - 3,3 KW
Voltage: 120VAC, 230 VAC

Technical data:

Item number		5700122	5101436	5101428	5101426
Voltage	VAC	120		230	
Frequency	Hz	50 / 60			
Power	KW	1,8	2,2	2,3	3,3
Current	A	15,0	18,3	10,0	14,4
Max. temperature	°C	650			
Min. air volume	l/min	230	280		420
Weight	kg	0,47			
Air intake	Ø mm	19			
Air outlet	Ø mm	22			
Heater tube	Ø mm	36 / 43			
Dimensions	mm (L x W x H)	241 x 70 x 59			
Conformity mark					
Protection class II	<input type="checkbox"/>				

Air heater type S36 from 1,8 to 3,3 KW

Product description:	Connection scheme:		
		<p>Default with potentiometer</p> <p>N, L1 = Main connection according to data plate</p>	 <p>External control</p> <p>N, L1 = Main connection according to data plate</p> <p>Digital signal (PWM max. 0,5Hz) 10-24VDC + = brown - = white</p>
<ol style="list-style-type: none"> 1. Cable fitting mains supply 2. Potentiometer 0-8 (control cable für ext. control); (no Potentiometer for devices without electronic) 3. Mounting on bottom of housing M 4 (screw depth 7 mm) 4. Heating element pipe Ø36mm 5. Cover 6. Data plate 7. Air intake Ø19mm 			<p>Version without electronics</p> <p>N, L1 = Main connection according to data plate</p>

Air heater type S36 from 1,8 to 3,3 KW

Available Versions:

Item no.	Description
5700122	Air heater type S36 120 VAC 1,8 KW with potentiometer
5101436	Air heater type S36 120 VAC 2,2 KW with potentiometer
5101428	Air heater type S36 230 VAC 2,3 KW with potentiometer
5101429	Air heater type S36 230 VAC 2,3 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101410	Air heater type S36 230 VAC 2,3 KW without electronics
5101426	Air heater type S36 230 VAC 3,3 KW with potentiometer
5101382	Air heater type S36 230 VAC 3,3 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101434	Air heater type S36 230 VAC 3,3 KW without electronics
5101440	Air heater type S36 400 VAC 3,3 KW without electronics
5101439	Air heater type S36 480 VAC 3,3 KW without electronics

Available modifications:

(By the following modifications, for example, an internal PID control is possible)






- S01** - external heating control via PWM signal (12-24VDC, maximum cycle time 1Hz) incl. 5 meter 2-pole. control line (only necessary for types COMPACT and PN10);
- S02** - external potentiometer for heating incl. 5 meter 3-pole. Control cable and rotary knob (red);
- S04** - external control of fan speed incl. 5m 3-pole. Control line (only for type COMPACT)
- control signal analogue: 0-10VDC; Control signal digital: PWM 12-24VDC; 1-10kHz; I_{max}. 10mA
- S05** - internal PID control of the temperature without visualization for basic units with potentiometer (type 1 basis)
- S06** - internal thermocouple for all three basic versions with 2 meter compensation line;
- S07** - separate connection option for heating and fan with type COMPACT (230VAC);
- S08** - Fixed blower speed for type COMPACT;
- S09** - Built-in digital controller with 2-line display for target and actual temperature and internal thermocouple (only type COMPACT);
- S10** - additional handle, mounted on the back (only type COMPACT);
- S11** - separate connection option for heating and fan; without connection cable (only with type COMPACT 400VAC (230VAC blower / 400VAC heating));
- S12** - Compressed air connection with push-in nipple 8 / 6mm for type S;
- S13** - Connection for hose 6 / 4mm for pressure monitoring in types S and M without electronics;
- S15** - Compressed air connection with push-in nipple 8 / 6mm for type M;
- S16** - M32 cable gland for mains connection cables up to Ø19mm for types L and XL;
- S17** - Power cable made of silicone, firmly soldered for blow-in air temperatures up to 100 ° C for types L and XL without electronics;

Air heater type S36 from 1,8 to 3,3 KW

Available modifications: (continuation)

- S18** - funnel-shaped outlet opening without anti-kink spiral for mains connection cable (only for type COMPACT without handle);
- S20** - External control of the load relay (SSR) by a PWM signal 12-24VDC for types L and XL without electronics;
- S21** - Evaluation of fan speed with 5 meter control line; Interface OpenCollector - 2 pulses / revolution - max. 10mA for counter with 5000 input pulses / minute (only COMPACT type);
- S23** - Heating element tube without protective tube for all air heaters and COMPACT
- S24** - fixed heating power (only COMPACT type)
- S29** - external potentiometer incl. 5 meter control cable and rotary knob (blue) for blower speed (only type COMPACT)

Accessories:

Item no.	Description
5107250	 Flange connector, push fit on the protective tube
5107155	 Tubular nozzle \varnothing 5mm
5107003	 Angle nozzle 90°, \varnothing 12mm
5107251	 Extension tube 210 x 36,5mm
5107261	 Wide slot nozzle 70 x 4mm

Air heater type S36 from 1,8 to 3,3 KW

Combination possibilities for devices WITH electronic*:

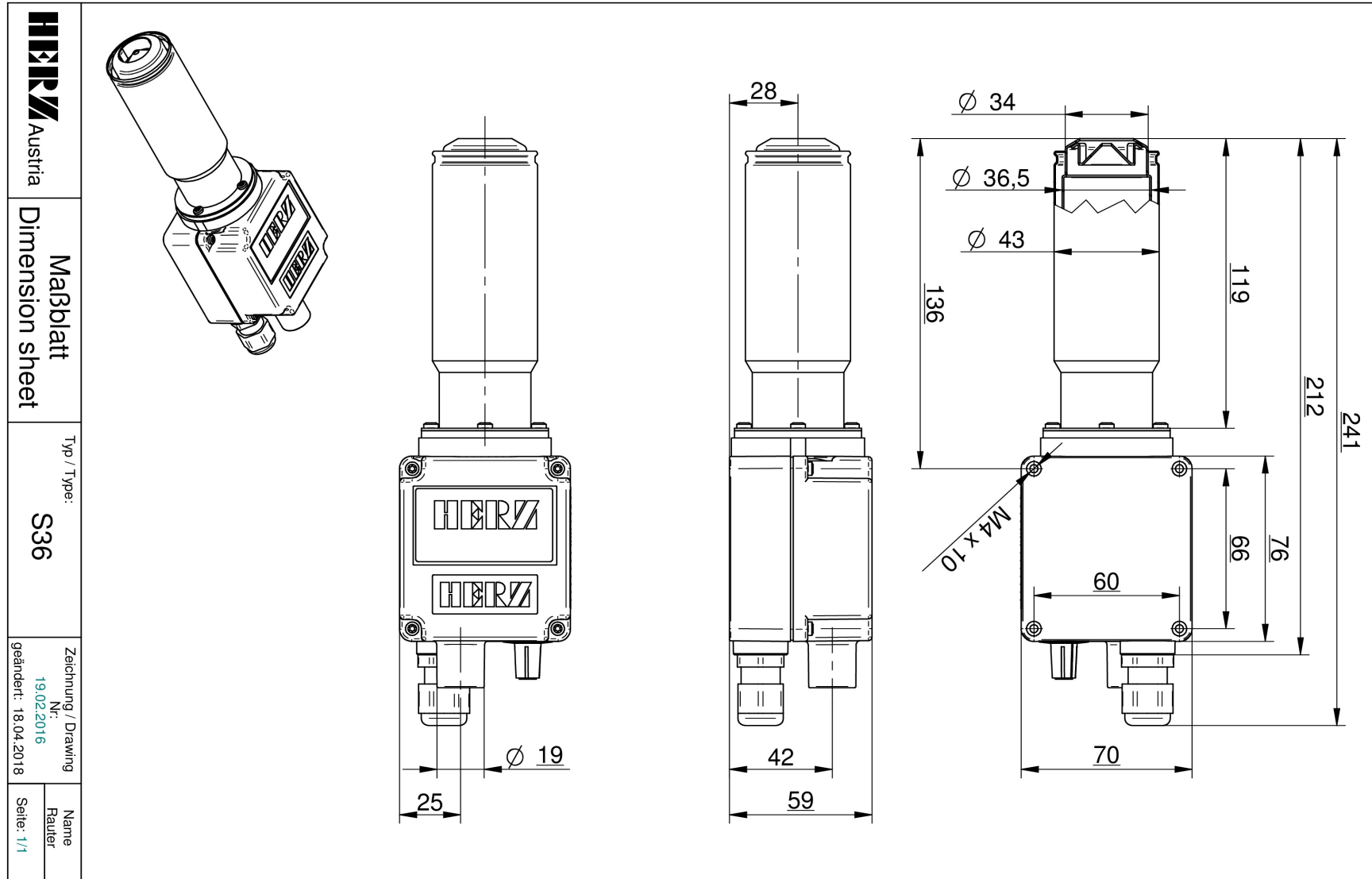
Measuring point: 3.0 mm after the air outlet pipe adapter – without nozzle, measured at the hottest point
Hose length: 1,0 m
Air supply: Blower 400 Volt, 50 Hz (HD = High pressure blower, MD = Medium pressure blower)
Air flow: NI / min = standard liters per minute according to DIN 1343

CAUTION: Air flow and temperature are indicative which can change due to external influences and changes air hose diameter and length!

Blower type	Quantity, air heater type, voltage, power	Air flow at 50 Hz with heating [NI / min.]	Maximum temperature at 50 Hz [°C]
HD140	1 x S36; 230VAC; 2,3KW	680	340
	2 x S36; 230VAC; 2,3KW	2 x 500	400
	4 x S36; 230VAC; 2,3KW	4 x 310	540
HD140	1 x S36; 230VAC; 3,3KW	630	450
	2 x S36; 230VAC; 3,3KW	2 x 480	520
HD240	4 x S36; 230VAC; 3,3KW	4 x 660	380

*Data without guarantee

Air heater type S36 from 1,8 to 3,3 KW



Anderungen vorbehalten / Changes reserved