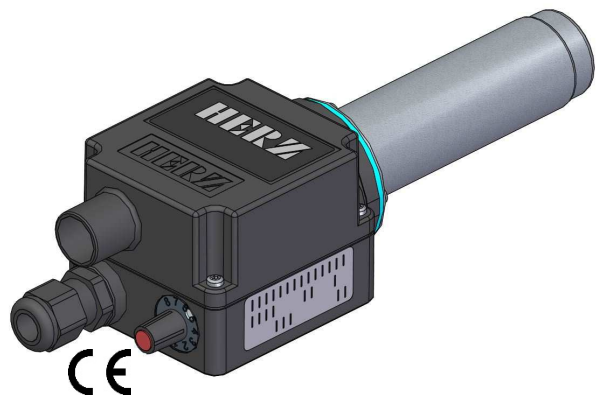


Air heater type S32 from 0,7 to 2,0 KW



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)
 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

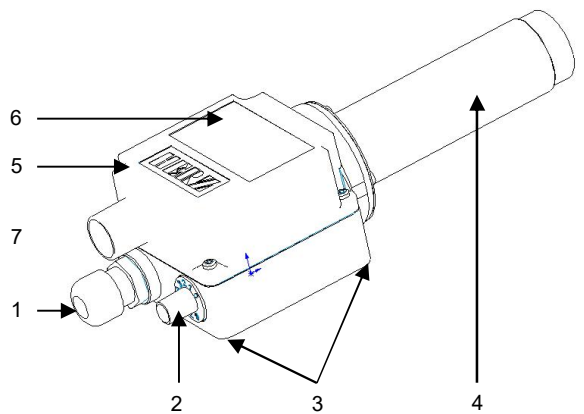
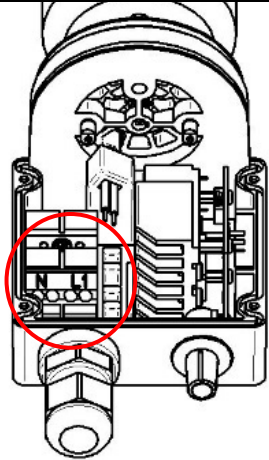
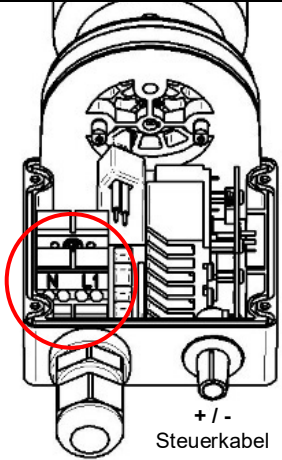
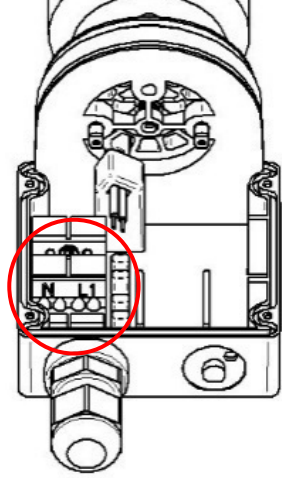
Power: 0,7 KW - 2,0 KW
Voltage: 120/230 VAC

Technical Data:

Item number		5700001	5101371	5101340	5101355	5101357
Voltage	VAC				230	
Frequency	Hz			50 / 60		
Power	KW	1,6	0,7	1,0	1,5	2,0
Current	A	13,3	3,0	4,4	6,7	8,7
Max. temperature	°C			650		
Min. air volume	l/min	240	110	195	230	430
Weight	kg			0,4		
Air intake	Ø mm			19		
Air outlet	Ø mm			16		
Heater tube	Ø mm			32		
Dimensions	mm (L x W x H)			233 x 70 x 59		
Conformity mark						
Protection class II	<input type="checkbox"/>					

*ohne Elektronik

Air heater type S32 from 0,7 to 2,0 KW

Product description:	Connection scheme:		
 <p>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. Heatin element pipe Ø32mm 5. Cover 6. Data plate 7. Air intake Ø19mm</p>		<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> <p>+ / - Steuerkabel</p>
		<p>Version without electronics</p> <p>N, L1 = Main connection according to data plate</p>	

Air heater type S32 from 0,7 to 2,0 KW

Available Versions:

Item no.	Description
5700001	Air heater S32 120 VAC 1,6 KW with potentiometer
On demand	Air heater S32 120 VAC 1,6 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5700002	Air heater S32 120 VAC 1,6 KW without electronic
5101371	Air heater S32 230 VAC 0,7 KW with Potentiometer
5101372	Air heater S32 230 VAC 0,7 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101373	Air heater S32 230 VAC 0,7 KW without electronic
5101340	Air heater S32 230 VAC 1,0 KW with Potentiometer
5101337	Air heater S32 230 VAC 1,0 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101336	Air heater S32 230 VAC 1,0 KW without electronic
5101355	Air heater S32 230 VAC 1,5 KW with Potentiometer
5101356	Air heater S32 230 VAC 1,5 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101353	Air heater S32 230 VAC 1,5 KW without electronic
5101361	Air heater S32 230 VAC 1,5 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101357	Air heater S32 230 VAC 2 KW with Potentiometer
5101358	Air heater S32 230 VAC 2 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5101359	Air heater S32 230 VAC 2 KW without electronic

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));

Air heater type S32 from 0,7 to 2,0 KW

Available modifications:
(continuation)

- 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;
- 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
5107283	 Flange connector. Push fit on the protective tube
5100303	 Tubular nozzle ø 5mm
5105475	  Wide slot nozzle 20 x 2mm
5105526	  Wide slot nozzle 40 x 2mm

Air heater type S32 from 0,7 to 2,0 KW

Combination possibilities for devices WITH electronic*:

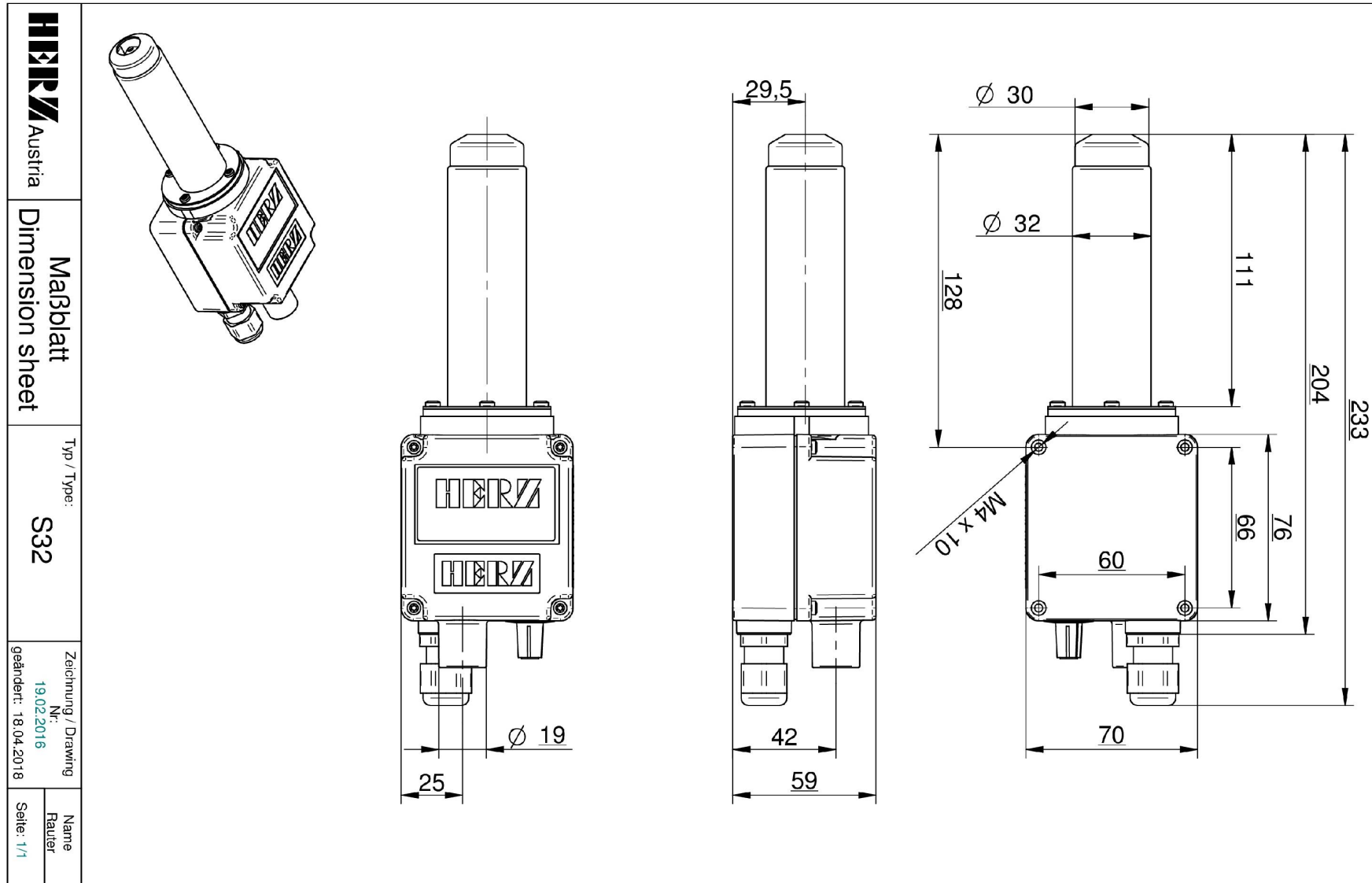
Measuring point: 3.0 mm after the air outlet pipe adapter – without nozzle, measured at the hottest point
Hose length: 1,0 m
Air supply: Blower 400 Volt, 50 Hz (HD = High pressure blower, MD = Medium pressure blower)
Air flow: NI / min = standard liters per minute according to DIN 1343

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 S32; 230VAC; 1,5KW	510	350
	2 x S32; 230VAC; 1,5KW	2 x 410	390
	4 x S32; 230VAC; 1,5KW	4 x 280	490
HD140	1 x S32; 230VAC; 2,0KW	470	450
	2 x S32; 230VAC; 2,0KW	2 x 390	470
HD 240	4 x S32; 230VAC; 2,0KW	4 x 530	320

*Data without guarantee

Air heater type S32 from 0,7 to 2,0 KW



Änderungen vorbehalten / Changes reserved