

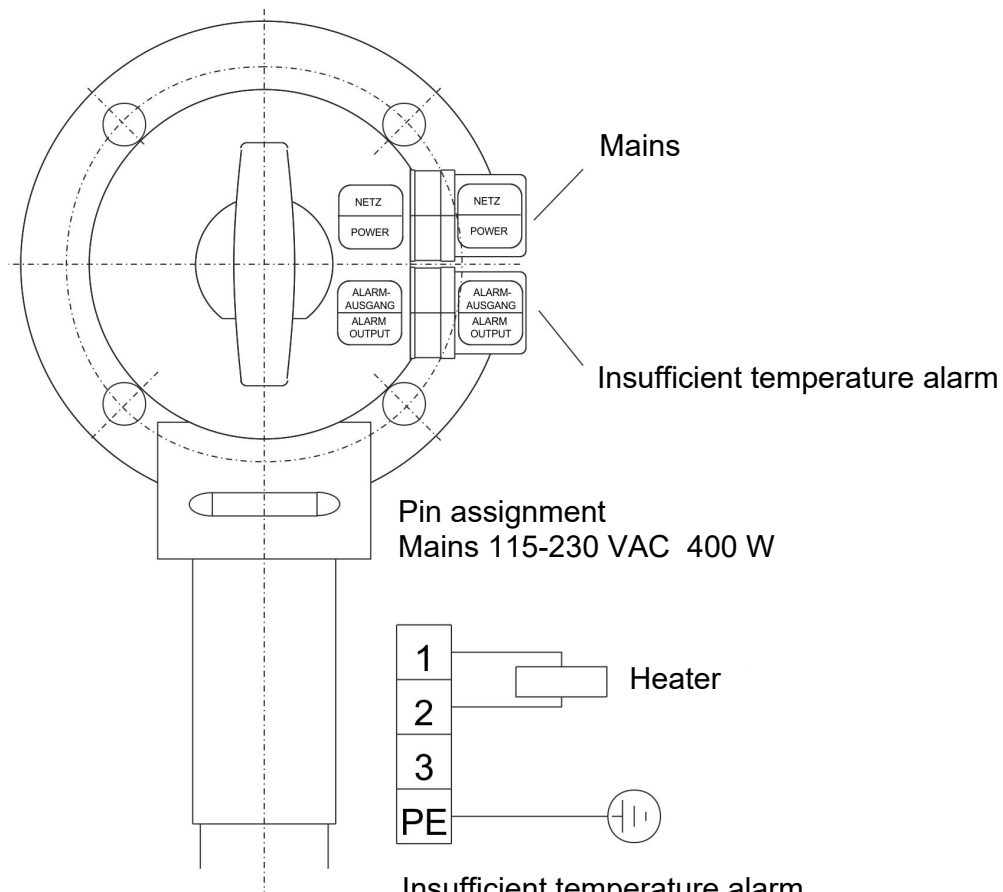
9 Appendices

9.1 Technical Data

Gas Probe Technical Data

Ambient temperature without accessories:	-20 to +80 °C	
Ambient temperature for accessories:	Component	Ambient temperature range
	Valve for pressurized air:	-30 °C < T _{amb} < +55 °C
	Solenoid valve for pneumatic actuator:	-10 °C < T _{amb} < +55 °C
	Pneumatic actuator:	-20 °C < T _{amb} < +80 °C
	Limit switch:	-25 °C < T _{amb} < +60 °C
	Junction box:	-20 °C < T _{amb} < +70 °C
Max. gas inlet temperature:	+195 °C (T3)/+130 °C (T4)	
Medium temperature (blowback):	Component	Medium temperature range
	Valve for pressurized air:	-10 °C to +80 °C
	Solenoid valve for pneumatic actuator:	-10 °C to +100 °C
Self-regulating heater:	+120 °C (T3)/+70 °C (T4)	
Low temperature alarm:	Contact switches at < 95 °C (T3) or < 50 °C (T4); Simple electrical equipment according to EN 60079-11; U _i 30 V, I _i = 100 mA; C _i /L _i ~ 0	
Electrical data:	230 V, 2.0 A, 50/60 Hz 115 V, 3.8 A, 50/60 Hz	
Protection class:	IP54	
Max. operating pressure:	6 bar	
Materials in contact with media		
Flange:	Stainless steel 1.4571	
Probe body:	Stainless steel 1.4571	
Ball valve:	Stainless steel 1.4408/1.4462/PTFE	
Seal:	Stainless steel 1.4404/graphite/and see filter	
Markings:	ATEX:  II 3G Ex ec ic mb IIC T3/T4 Gc IECEX: Ex ec ic mb IIC T3/T4 Gc	

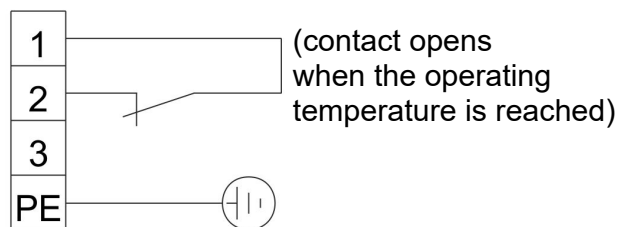
9.2 Connection Diagram



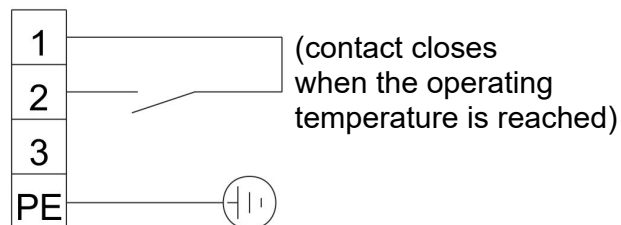
Insufficient temperature alarm

$U_i = 30 \text{ V}; \quad C_i = 0$

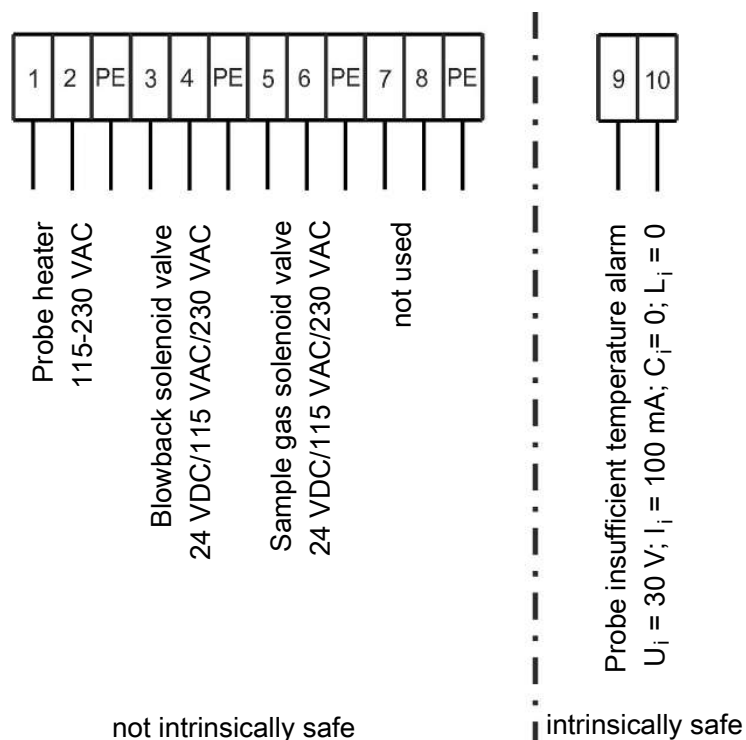
$I_i = 100 \text{ mA}; \quad L_i = 0$



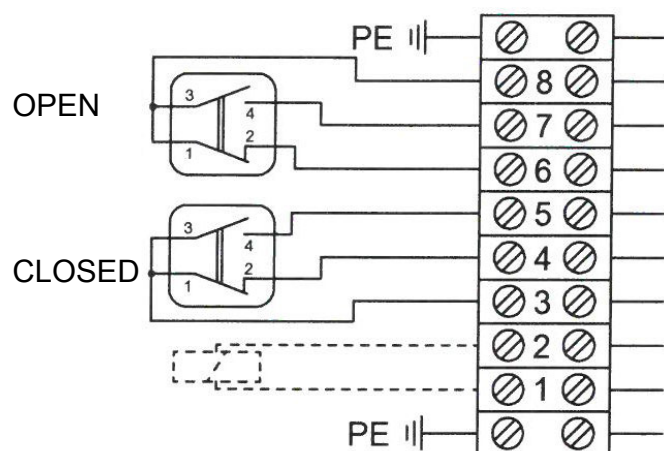
Optionally with NO contact



9.3 Terminal Diagram Probe Terminal Box

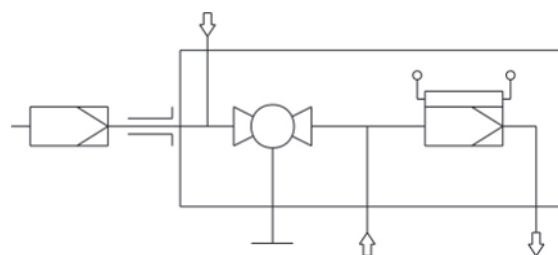


9.4 Terminal Diagram Terminal Box Limit Switch

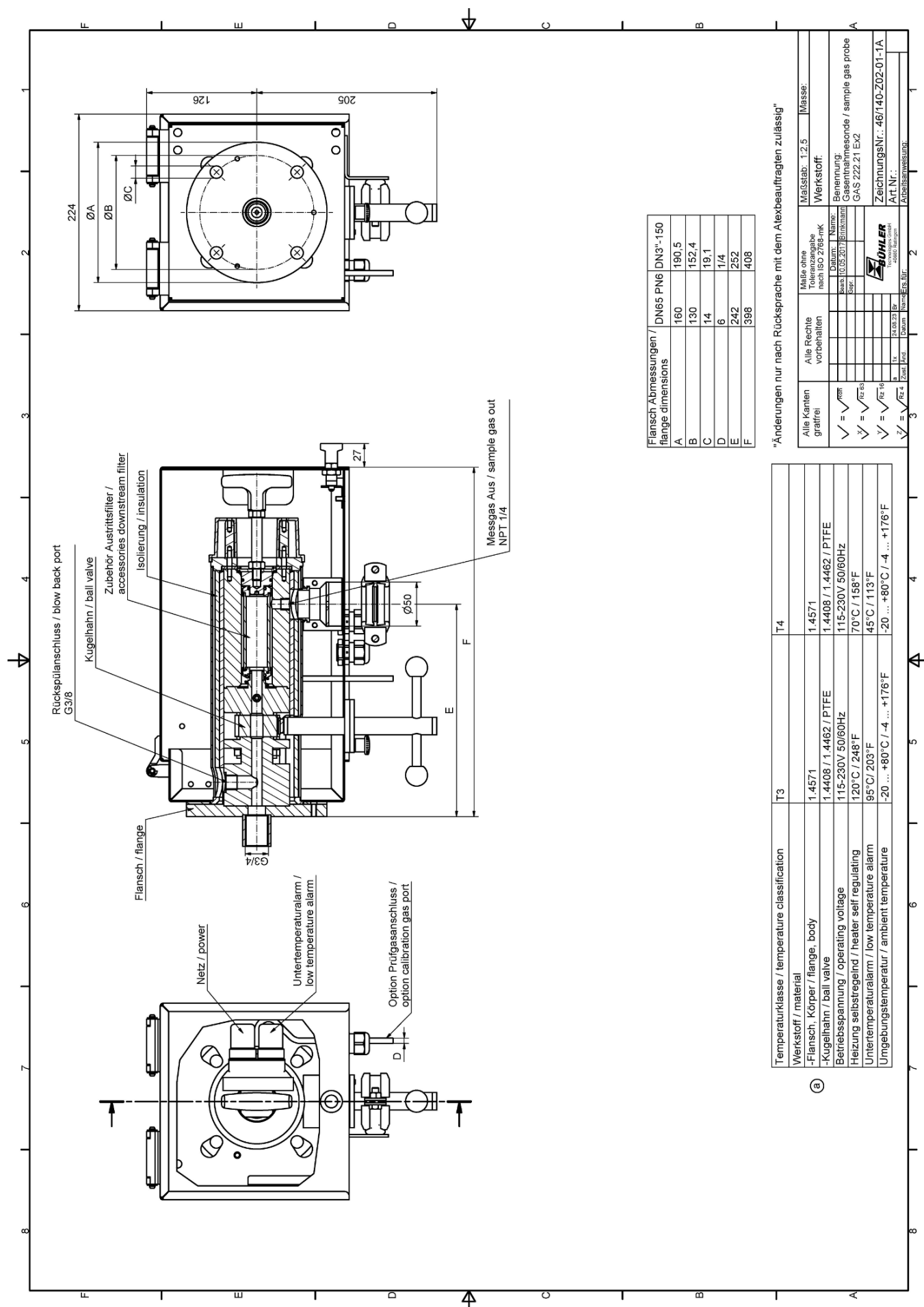


The connection diagram shows the limit switch box in the intermediate position. Switches not actuated.

9.5 Flow chart



9.6 Dimensions



9.7 User book (Please make copies)

Maintained on	Unit no.	Operating hours	Remarks	Signature