F 3238

F 3238: 8-channel input module (Ex)i

safety-related, TÜV certified according to IEC 61508 for applications up to SIL 3

- for the connection of safety-related proximity switches (P+F), proximity switches according to EN 60947-5-6 (NAMUR) and contacts with resistor network
- for intrinsically safe circuits (Ex)i, with sensor supply, with safe isolation
- monitoring of the lines for short circuit and line break

EC-Type Examination certificate: PTB 03 ATEX 2031

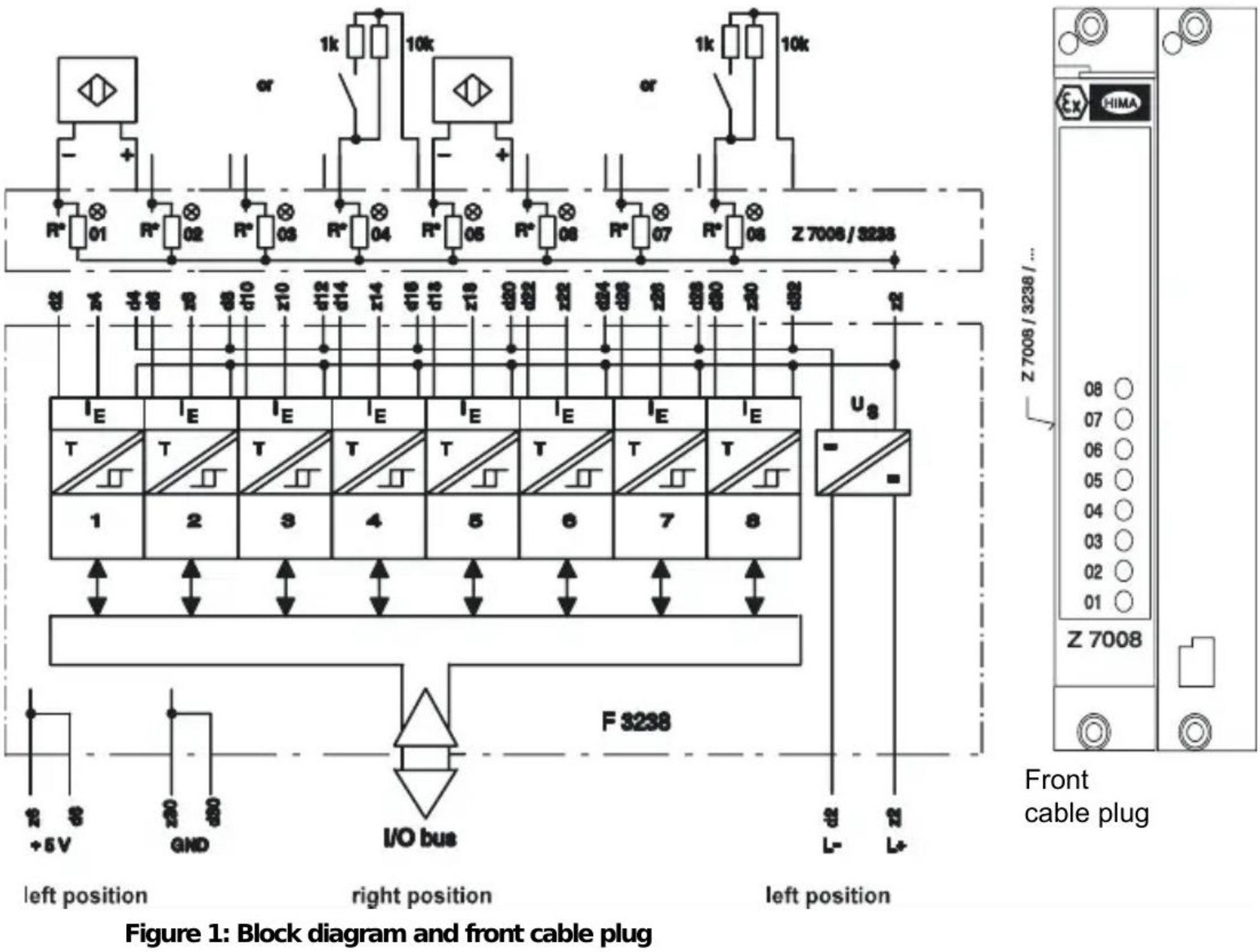

Figure 1: Block diagram and front cable plug

Appertaining function block: HB-RTE-3

Switching time	approx. 10 ms
Switching threshold I_E	0-signal: $0.35 \leq I_E \leq 1.2$ mA
	1-signal: $2.1 \leq I_E \leq 6.0$ mA
Wire break	≤ 0.28 mA
Short circuit	≥ 6.5 mA
Line impedance	$\leq 50\ \Omega$ (acc. EN 60947-5-6: 2000)
Line length	≤ 1000 m ($\varnothing = 0.5$ mm^2)
Supply voltage U_S	approx. 8.2 V
Shunt R*	681 Ω
Space requirement	8 SU
Operating data	5 VDC, 150 mA
	24 VDC, 100 mA