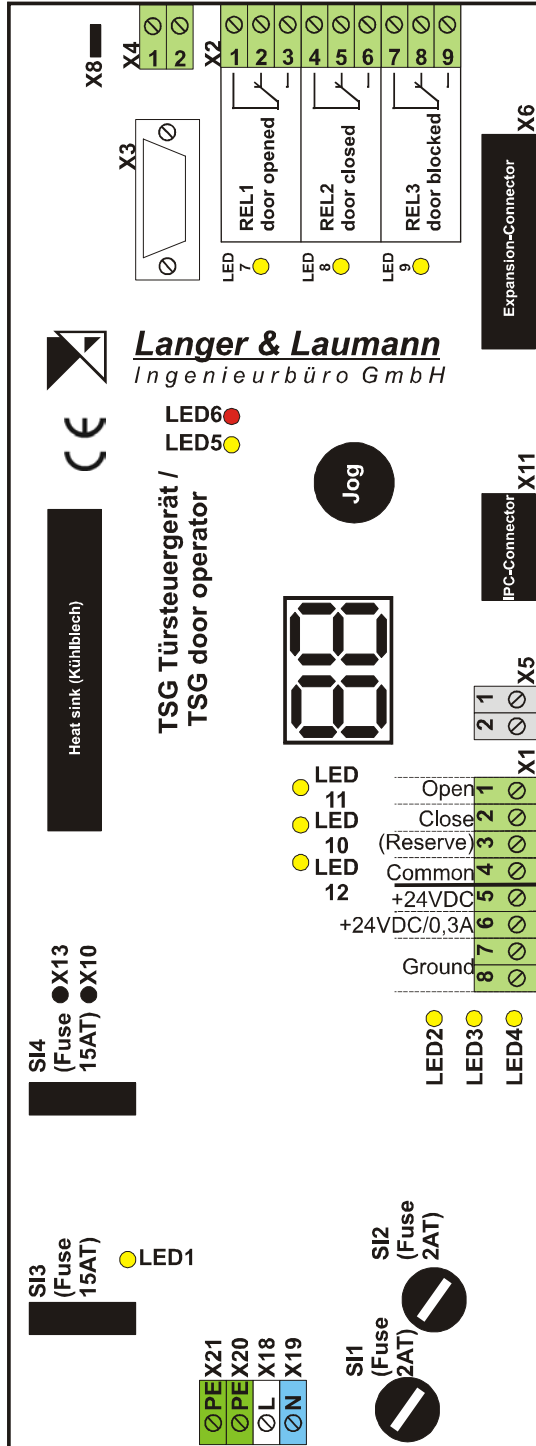


## 15 Technical data for TSG electronics

### 15.1 Overview of TSG electronics



- X1: Inputs
- X2: Outputs
- X3: Motor encoder
- X4: Motor connections **(DO NOT REVERSE)**
- X5: Stop input
- X6: Expansion connector
- X8: Motor shield (Earth)
- X10: Battery +                      X18: Live
- X11: IPC connector                X19: Neutral
- X13: Battery –                      X20/21: PE (Earth)

TERMINALS 1-4 on X1: Door Command Signals

**SEE PAGE 2 FOR WIRING OPTIONS**

- LED 1: Operating voltage 38 [VDC]
- LED 2: Operating voltage 5 [VDC]
- LED 3: Operating voltage 12 [VDC]
- LED 4: Operating voltage 24 [VDC]

- LED 5: Check LED
- LED 6: Overload

- LED 7: "Door is open" output
- LED 8: "Door is closed" output
- LED 9: "Door is blocked" output

- LED 10: "Close door" input
- LED 11: "Open door" input
- LED 12: (Reserved) input

Geschäftsführer / Managing Director

Dipl.-Ing. Michael Laumann  
Dipl.-Ing. Matthias Langer

Bankverbindung / Bank Account

Sparkasse Steinfurt BLZ: 40351220 Kto: 7024631  
BIC WELADED1STF IBAN De52 4035 1060 0007 0246 31  
Volksbank Greven EG BLZ: 40061238 Kto: 8623333000  
BIC GEBODEM1GRV IBAN De66 4006 1238 8623 3330 00

Handelsregister / Commercial Register

Amtsgericht Steinfurt HRB 2943  
Ust.-Id.Nr. / Vat.-No. De195553428  
Steuer-Nr. 311 5870 1056

## 16 Connection circuit diagram for TSG inputs

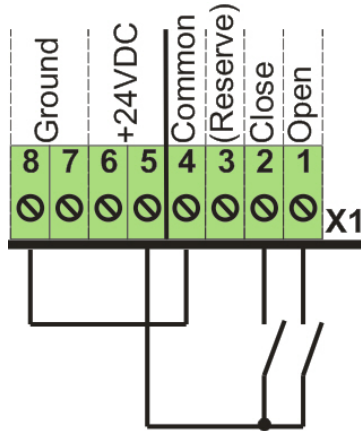


Fig. 16: Connection option with internal 24 VDC power supply voltage

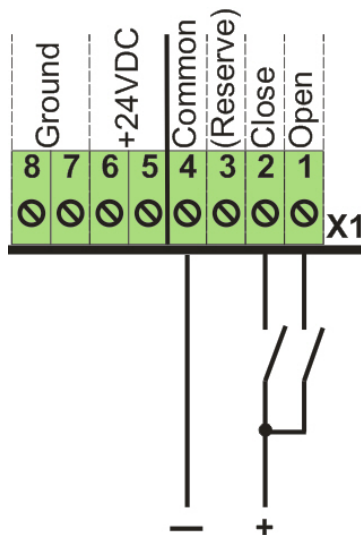


Fig. 17: Connection option with external 24 VDC power supply voltage and common negative

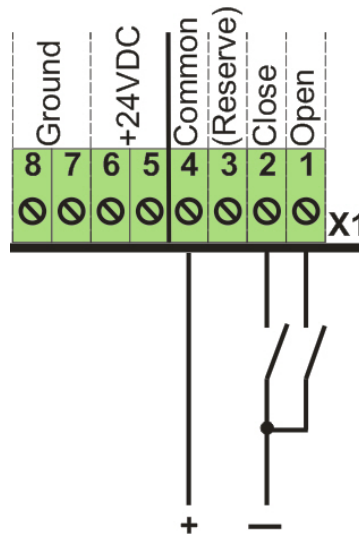


Fig. 18: Connection option with external 24 VDC power supply voltage and common positive