



High voltage isolation conditions:
- relevant norm: DIN EN 60664-1:2008-01
- type: functional isolation
- electrical field: homogeneous
- pollution degree: 2
- isolator class: 3b
- transient voltage: 4300 V DC
- continuous (working) voltage: 1250 V DC (selected due to design space constraints on PCB)

PCB design (according to conditions above):
- clearance: 1.3 mm
- creepage distance: 12.5 mm

Isolation transformer (HM2102NLT):
- pollution degree: 2
- isolator class: 1
- clearance: >10 mm
- transient voltage: 4300 V DC
- continuous (working) voltage: 1600 V DC









