

Measurement protocol / Overvoltage protection board

Testing the overvoltage protection board

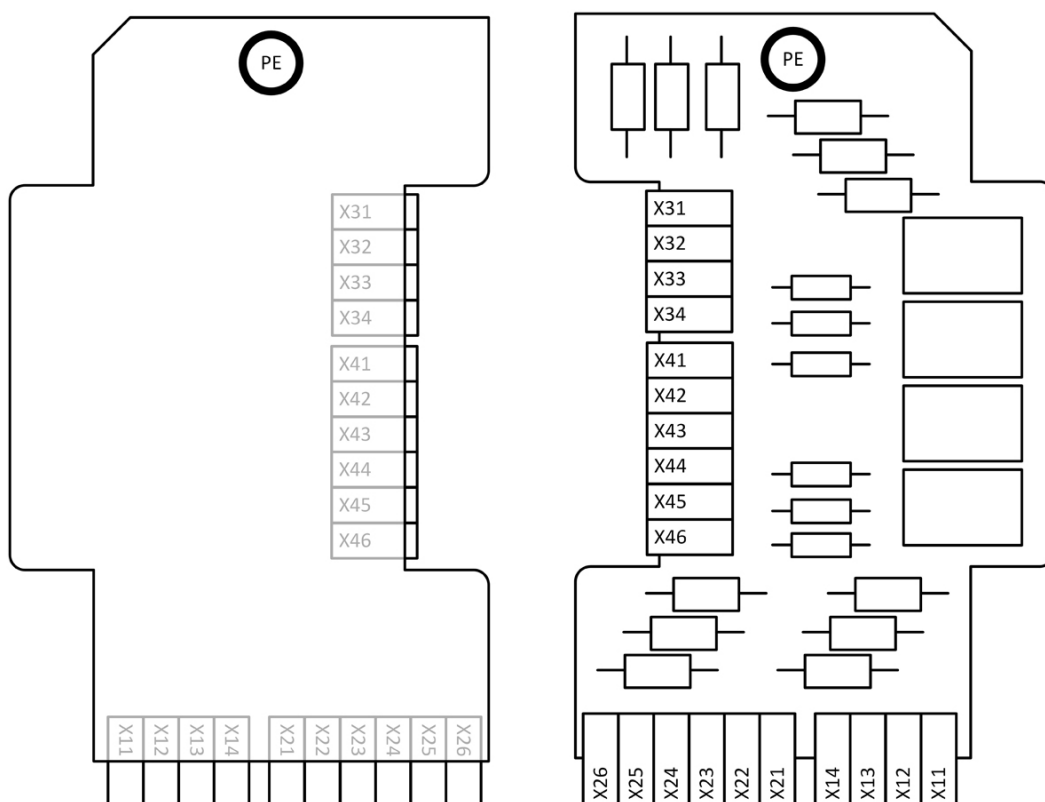
This product is maintenance-free. However, it is recommended to check the function of the board occasionally, particularly after the occurrence of thunderstorms.

Error detection test

To carry out an error detection, the board can be subjected to an insulation and continuity check.

In case the insulation resistance R_{isol} should be $< 1 \text{ M}\Omega$ (X31 and X34 to PE, X31 and X34 to X33, X32 and X33 to PE, X41 and X44 to PE, X41 and X44 to X43, X45 and X46 to PE, X45 and X46 to X43) or should the contact resistance R_{cres} be $> 10\Omega$ (X31 to X11, X32 to X12, X33 to X13, X34 to X14, X41 to X21, X42 to X22, X43 to X23, X44 to X24, X45 to X25, X46 to X26), the board has to be replaced.

Overvoltage protection board



Measurement protocol

Year: _____ Name: _____

faulty measurement

measurement ok

$R_{isol} > 1M\Omega$

X31 to PE

X32 to PE

X33 to PE

X34 to PE

X41 to PE

X44 to PE

X45 to PE

X46 to PE

$R_{isol} > 1M\Omega$

X31 to X33

X34 to X33

X41 to X43

X44 to X43

X45 to X43

X46 to X43

$R_{cres} < 10\Omega$

X31 to X11

X32 to X12

X33 to X13

X34 to X14

X41 to X21

X42 to X22

X43 to X23

X44 to X24

X45 to X25

X46 to X26