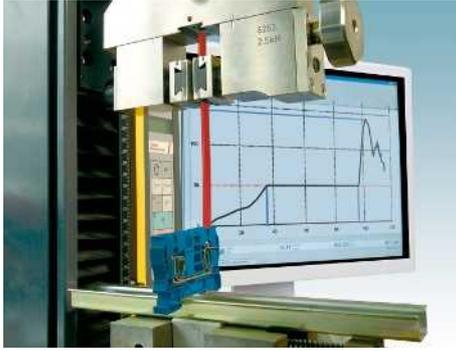


Tests at a glance



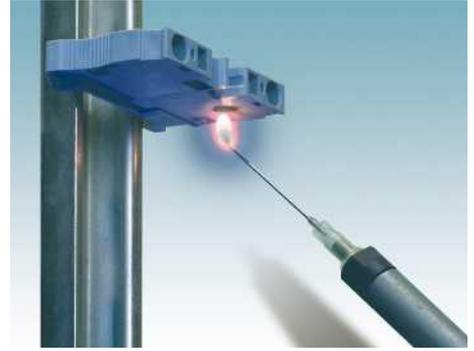
Mechanical tests

- Connection capacity
- Mechanical strength
- Flexion test
- Conductor pull-out test
- Tight fit of terminal block
- Vibration test
- Shock test
- Finger and back-of-hand safety



Electrical tests

- Air clearances and creepage distances
- Surge voltage test
- Voltage-drop test
- Temperature-rise test
- Short-time withstand current
- Dielectric test



Fire behavior

- Needle flame test
- Surface inflammability
- Smoke gas development
- Fire behavior
- Fire protection
- Smoke gas toxicity
- Inflammability classification
- Halogen-free flame protection
- Glow-wire test
- Fire load determination



Explosion tests

- IECEx and ATEX
- Types of protection
- Routine testing



Material tests

- Aging test
- Comparative tracking index (CTI)
- Insulating material properties



Environment/ambient conditions

- Temperature shock test
- Corrosion test
- Salt spray
- Environmental tests

