

# Check list for your comprehensive arc fault protection



Question	YES	NO	NOT KNOW
<b>1 Legal requirements</b> Do you know the legal order of priority of specifications concerning arc fault protection in your company? (E.g. German Occupational Health and Safety Act, German Ordinance on Industrial Safety and Health, DGUV regulations, standards and test principles)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protection goals</b> Were protection goals intentionally defined and implemented in your arc fault protection concept? (E.g. system availability, protection of service personnel)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Operating and work instructions</b> Are current operating and work instructions in place for and on the electrical systems? (E.g. Do you work strictly according to the five safety rules?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Instructions</b> Are employees trained annually on the special dangers posed by arc faults when working in and on electrical systems, and is their awareness raised in this regard? And is this documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Risk assessment</b> Has an arc fault risk assessment been conducted and documented as per DGUV-I 203-077 taking into account the energy of an electric arc? (Influencing factors are, for example, short-circuit currents, tripping times and working distances)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>6 Contact safety</b> Are the electrical installations safe to touch and free of potential bridges? (E.g. covers and insulation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Testing the systems</b> Is your low-voltage and medium-voltage switchgear type-tested and are the systems arc-fault-tested?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>8 Tripping times</b> In the event of an electric arc, is the tripping time of your circuit breaker or fuses quick enough to protect people and equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>9 Technical protection measures</b> Is the use of an arc fault protection system (with quenching device) possible in your high-energy installations or planned in new installations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>10 Access regulations</b> Are access regulations / operating regulations regarding electrical installations and their rooms in place at your company?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>11 Checking protective equipment and tools</b> Are your tools and safety equipment checked regularly with regard to their function and integrity? (E.g. voltage detectors every 6 years)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>12 Selection and use of protective clothing</b> Is arc-fault-tested personal protective clothing (PPE against the thermal effects of arc faults) in use and, if so, has this been chosen in line with the risk assessment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>13 Effectiveness checks</b> Is the effectiveness of the arc fault protection measures and their implementation checked regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

You can discuss any questions you responded to with „NO“ or are uncertain about with our arc fault protection experts without obligation:

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