

Nomenclature

Expo Electrical Engineering and Security Solutions

part of For ARCH Prague, 19-23 Sept 2017

2. Electrical engineering and security solutions

2.1. Electrical engineering solutions

2.1.1. Electrical installation equipment

- 2.1.1.1. Switches, sockets, forks
- 2.1.1.2. Electrical installation boxes, adapters, switchgear cabinets
- 2.1.1.3. Switchgear and protection equipment
- 2.1.1.4. Distribution frames, terminal blocks
- 2.1.1.5. Lightning conductor
- 2.1.1.6. Suppression devices
- 2.1.1.7. Cable trunking and fixing equipment
- 2.1.1.8. Controlling and signalling components and equipment
- 2.1.1.9. Intelligent electrical installations and EIB systems
- 2.1.1.10. Insulation materials

2.1.2. Lighting equipment and systems

- 2.1.2.1. Bulbs, fluorescent tubes, discharge lamps
- 2.1.2.2. Lasers
- 2.1.2.3. Luminescent and laser diodes
- 2.1.2.4. Other light sources
- 2.1.2.5. Outdoor lighting
- 2.1.2.6. Indoor lighting - residences and venues
- 2.1.2.7. Workplace lighting
- 2.1.2.8. Emergency and safety lighting
- 2.1.2.9. Lighting towers, pillars, public lighting
- 2.1.2.10. Spotlights and special lighting effects
- 2.1.2.11. Special lighting equipment
- 2.1.2.12. Lighting systems accessories

2.1.3. Audio-visual equipment and systems

2.1.4. Electronic components and systems

- 2.1.4.1. Semiconductors components and modules
- 2.1.4.2. Integrated circuits
- 2.1.4.3. Microprocessors
- 2.1.4.4. Coils, reactors, transformers
- 2.1.4.5. Capacitors, resistors
- 2.1.4.6. Optoelectronic components and systems
- 2.1.4.7. Relays and relay components
- 2.1.4.8. Printed circuits
- 2.1.4.9. Connectors
- 2.1.4.10. Switches and alternation switches
- 2.1.4.11. Electroacoustic transformers
- 2.1.4.12. Power suppliers

2.1.4.13. Motors and ventilators

2.1.4.14. Sensors and sensor systems

2.1.5. Telecommunication and radio communication technology

2.1.5.1. Radio communication equipment

2.1.5.2. Transceivers and accessories

2.1.5.3. Antennas, feeders and accessories

2.1.5.4. Receivers and accessories

2.1.5.5. Speakers, HiFi systems

2.1.5.6. Radio stations and accessories

2.1.5.7. Satellite systems

2.1.5.8. Special radio communication systems

2.1.5.9. HW and SW for radio communications

2.1.5.10. GPS and navigation systems

2.1.5.11. Radio and television

2.1.5.12. Telephone exchanges

2.1.5.13. Telephones, faxes, answer machines

2.1.5.14. Microphones, speakers, headphones

2.1.5.15. Transport telematics

2.1.6. Computer technology

2.1.6.1. Hardware

2.1.6.2. Software

2.1.6.3. Peripherals and components

2.1.6.4. Computer networks

2.1.7. Machines, equipment and instruments for electrical installation and maintenance

2.1.7.1. Machines and equipment for electrical engineering

2.1.7.2. Equipment and tools for electrical engineers

2.1.7.3. Equipment for working in heights and under voltage

2.1.7.4. Equipment and materials for the manufacture of printed circuit boards

2.1.7.5. Special machines and equipment for electrical engineering

2.1.7.6. Chemicals for electrical engineering

2.1.7.7. Protective and safety gear

2.1.8. Services, professional organisation, training

2.1.8.1. Information technology for professional use

2.1.8.2. Research, development, application

2.1.8.3. Design and consulting

2.1.8.4. Analyses, testing, calibration

2.1.8.5. Maintenance and installation services

2.1.8.6. Software for electrical and electronic engineering

2.1.8.7. Professional publications

2.1.8.8. Professional courses and training

2.1.8.9. Professional literature and magazines

2.1.8.10. Professional websites

2.1.8.11. Standards and regulations

2.1.8.12. Industrial design

2.1.8.13. Marketing and production

2.1.8.14. Advertising and promotion services

2.1.8.15. Financial services

2.1.8.16. Professional associations, unions, organisations

2.1.9. Electricity generation

2.1.9.1. Rotary generators and converters

2.1.9.2. Mobile power plants

2.1.9.3. Renewable energy resources

2.1.9.4. Fuel cells

2.1.9.5. Batteries and accumulators

2.1.9.6. Cogeneration units

2.1.9.7. Uninterruptible power supply sources

2.1.10. Electricity distribution

2.1.10.1. Equipment for electricity distribution

2.1.10.2. Switching and protective instruments for medium-voltage and high-voltage systems

2.1.10.3. Transformers

2.1.10.4. Switchboards and switchboard technology

2.1.10.5. Insulation materials, filling materials for electric technologies, electrotechnical insulators

2.1.10.6. Compensation equipment for indoor applications, accessories and equipment

2.1.10.7. Compensation equipment for outdoor applications, accessories and equipment

2.1.10.8. Control systems for power plants, transformer stations and switching stations

2.1.10.9. Control systems for distribution systems

2.1.11. Wires and cables

2.1.11.1. Power cables

2.1.11.2. Data cables and wires

2.1.11.3. Optical cables and wires

2.1.11.4. Fire-resistant and halogen-free cables

2.1.11.5. Wires and cables for special use

2.1.11.6. Cable and wire terminals

2.1.11.7. Cable tubes and conduits

2.1.11.8. Cable racks, gratings, trays, ladders

2.1.11.9. Cable installation technology

2.1.12. Home automation

2.1.12.1. Heating control and management

2.1.12.2. Lighting control and management

2.1.12.3. Control and management of air conditioning and ventilation

2.1.12.4. Control and management of electrically powered devices (blinds, shades, gates...)

2.1.12.5. TV, audio and video control and management

2.1.12.6. Control and management of irrigation and pool technologies

2.1.12.7. Computer networks

2.1.13. Smart cities

2.2. Security

2.2.1. Security technologies and fire protection systems

2.2.1.1. Electronic security systems, IT technologies, emergency systems and warning systems

2.2.1.2. Electric security devices and systems

2.2.1.3. Fire alarm systems

2.2.1.4. Audible warning systems, evacuation announcement devices

2.2.1.5. Signal devices, alarms, sirens

- 2.2.1.6. CCTV systems
- 2.2.1.7. Communication devices
- 2.2.1.8. Mechanical locking systems and security systems
- 2.2.1.10. Security of vehicles
- 2.2.1.11. Special security and protection devices
- 2.2.1.12. Mobile phone networks
- 2.2.1.13. Private security services
- 2.2.1.14. Fixed extinguishing systems
- 2.2.1.15. Insurance

2.2.2. Rescue systems

- 2.2.2.1. Flood control systems
- 2.2.2.2. Safety equipment
- 2.2.2.3. Rescue tools and equipment
- 2.2.2.4. Other

2.2.3. IT and cyber security

- 2.2.3.1. Electronic data protection
- 2.2.3.2. Certificates
- 2.2.3.3. Monitoring
- 2.2.3.4. Document management systems
- 2.2.3.5. The Internet and intranet
- 2.2.3.6. Endpoint security
- 2.2.3.7. Network security
- 2.2.3.8. Security audits
- 2.2.3.9. Components
- 2.2.3.10. ICT products and solutions
- 2.2.3.11. Other

2.2.4. Road rescue systems

- 2.2.4.1. Urban and road electronic systems
- 2.2.4.2. Urban and road mechanical systems