

BRANCH FOCUS

1 Electrical power engineering

- 1.1 Power generation, generators
- 1.2 Technology for thermal, hydro and wind power plants
- 1.3 Photovoltaics
- 1.4 Power accumulation
- 1.5 Battery and battery storage devices
- 1.6 Power transfer and power transformation
- 1.7 Switchboard technology and devices HV/MV
- 1.8 Cable support systems and utilities
- 1.9 Control systems, Smart Grids
- 1.10 Components and accessories
- 1.11 Electrical insulation materials, insulants
- 1.12 Software and services for the energy industry

2 Conductors and cables

- 2.1 Power cables
- 2.2 Cable assembly
- 2.3 Low voltage conductors and cables
- 2.4 Conductors for electrotechnical winding
- 2.5 Special conductors, cables and materials
- 2.6 Accessories for cables and cable installation

3 Electric installation, building management and security systems

- 3.1 High-current electrical installation
- 3.2 Switchboards and power distribution systems
- 3.3 Measuring and controlling components and instruments
- 3.4 Installation equipment and materials
- 3.5 Lightning protection
- 3.6 Signs, marking and labels
- 3.7 Building automation and building management system
- 3.8 Smart and communication devices
- 3.9 Security and identification systems
- 3.10 Sound and display technologies for buildings
- 3.11 Smart & Safe City, city management
- 3.12 Software and services

4 Lighting technology

- 4.1 Light sources
- 4.2 Lighting, lighting systems, lamps
- 4.3 LED technologies, chips, components
- 4.4 Light source accessories, lamps and lighting
- 4.5 Lighting masts, clamping technology
- 4.6 Lighting software and services

5 Electro thermal technology

- 5.1 Appliances for building heating and cooling systems
- 5.2 Heat pumps
- 5.3 Ventilation and air conditioning
- 5.4 Electrothermal equipment
- 5.5 Components and accessories
- 5.6 Measurement, control and regulation in the field
- 5.7 Software and services

6 Electric motors, drives, power supply and electromobility

- 6.1 Electric motors and drives
- 6.2 Control and protective elements
- 6.3 Power systems
- 6.4 Electric cars and vehicles
- 6.5 Charging stations and infrastructure
- 6.6 Equipments, components and accessories
- 6.7 Software and services

7 Electronic components and modules

- 7.1 Semiconductor components and circuits
- 7.2 Optical and photonic components and modules
- 7.3 Passive components
- 7.4 Electromechanical components
- 7.5 Mechanical, interconnecting and other components for electronics
- 7.6 Displays and monitors
- 7.7 Printed circuit boards – PCB's and mounting accessories
- 7.8 SMD components and technologies

- 7.9 Organic and printed electronics
- 7.10 Assemblies, embedded systems, micro and macro systems
- 7.11 Materials, technologies, electrochemistry
- 7.12 Software, CAD, CAM, CIM and services

8 Information and communication technology

- 8.1 Radio-communication technology
- 8.2 Technologies for mobile networks
- 8.3 Wireless data transmission
- 8.4 Satellite and antenna technology
- 8.5 Network technologies
- 8.6 Servers, computers, components, installations
- 8.7 Monitors, imaging technology, printing
- 8.8 Data storage, data centres
- 8.9 Readers, sensors and payment systems
- 8.10 IT security of data and programs
- 8.11 Artificial intelligence
- 8.12 Internet Of Things (IOT)
- 8.13 Audio-visual technology
- 8.14 Software, applications and services

9 Measuring and testing devices

- 9.1 Laboratory devices for electrical quantities measuring
- 9.2 Operational measuring instruments
- 9.3 Instruments for measuring in power distribution networks
- 9.4 Measuring converters for measuring of electric quantities
- 9.5 Universal instruments and instruments for measuring of non-electrical quantities
- 9.6 Registration devices, recorders, data displays
- 9.7 Measuring systems, remote measuring and processing of measured data
- 9.8 Accessories, components and other
- 9.9 Software and services in the fields of metrology

10 Automation, control and regulation

- 10.1 Sensing and control technology
- 10.2 Identification, camera and imaging systems
- 10.3 Control technology and components
- 10.4 Communication protocols, buses and networks for interconnecting equipment

- 10.5 Robots, automatic machines and manipulators
- 10.6 Software for industrial automation and robotics
- 10.7 Technological process control, system integration, Industry 4.0
- 10.8 Transport systems, navigation, telematics, intralogistics
- 10.9 Industrial marking, 3D scanning and print
- 10.10 Other components, accessories and equipment for automation
- 10.11 Services, diagnostics, calibration, maintenance

11 Production facilities, components for electrical engineering and electronics

- 11.1 Production facilities for electrical engineering
- 11.2 Production facilities for electronics
- 11.3 Production facilities for surface finishing in electrotechnics
- 11.4 Equipment for PCB technologies
- 11.5 Chemicals for electrotechnics and electronics
- 11.6 Components and accessories for production facilities
- 11.7 Testing, diagnostics and other services

12 Optic and photonic technology

- 12.1 Materials and optical components
- 12.2 Fibre optics
- 12.3 Laser technologies
- 12.4 Optical systems and applications
- 12.5 Production facilities for optics

13 Tools, accessories and equipment in electrical engineering

- 13.1 Tools and equipment
- 13.2 Tables, shelves and boxes
- 13.3 Work and protective equipment
- 13.4 Vehicles, platforms and ladders
- 13.5 Antistatic materials, products and equipment

14 Services, education, media and institutions in electrical engineering

15 E-mobility

16 Innovation Hub