

# Product Group Index IFA 2017 for Manufacturing OEM/ ODM and Local Brands

Only products and services listed in the Product group index will be admitted to the exhibition.

Please note: This is not the catalogue entry form!

The itemisation of the product categories is of importance for your entry in the Virtual Market Place!



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Name of primary exhibitor

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**20 TV**

└ **20.1 TV sets**

└ 20.1.1 TV sets with UHD and 4K resolution

└ 20.1.2 Smart TV sets with internet access

└ 20.1.3 3D TV

└ 20.1.4 LCD TV sets

└ 20.1.5 OLED TV sets

└ 20.1.6 Miscellaneous TV sets

└ 20.1.7 TV sets with integrated DVD/ Blu-ray player

└ 20.1.8 Mobile TV receivers

└ **20.2 Accessories**

└ 20.2.1 TV remote control units

└ 20.2.2 Universal remote control units

└ **20.3 TV and radio broadcasting**

└ **20.4 Online and on-demand providers**

**21 Home Entertainment**

└ **21.1 Video/ DVD/ Blu-ray**

└ 21.1.1 4K/ UHD players

└ 21.1.2 Blu-ray disc players

└ 21.1.3 DVD players

└ **21.2 Recording devices**

└ 21.2.1 DVD recorders

└ 21.2.2 DVD recorders with integrated hard drives

└ 21.2.3 DVD recorders with integrated hard drive and VHS player

└ **21.3 Projectors**

└ 21.3.1 Home cinema projectors with full HD resolution

└ 21.3.2 Home cinema projectors with Ultra HD/ 4k resolution

└ 21.3.3 Data projectors for PCs

└ 21.3.4 Home cinema accessories (projection screens, etc.)

└ **21.4 Mediaplayer (Streaming Clients)**

└ **21.5 Game consoles and controllers**

└ **21.6 Game software**

└ **21.7 Entertainment software**

- └─ **21.8 Information and educational software**
- └─ 21.8.1 Training, teaching and educational programs
- └─ 21.8.2 Electronic dictionaries, reference files, address directories, telephone directories etc.
- └─ 21.8.3 Electronic dictionaries for foreign languages
- └─ 21.8.4 Language programs
- └─ **21.9 Other recorded audio/ video media**
- └─ **21.10 Batteries, rechargeable batteries, chargers**

## 22 Audio/ HiFi/ Surround

- └─ **22.1 Audio and hi-fi devices (stationary)**
- └─ 22.1.1 Amplifiers (integrated amplifiers, pre-amplifiers, power amplifiers)
- └─ 22.1.2 CD players
- └─ 22.1.3 Radio tuners
- └─ 22.1.4 Receivers
- └─ 22.1.5 Digital-to-analog converters
- └─ 22.1.6 Devices/ systems with streaming function
- └─ 22.1.7 Hard disc recorders/ Music Server Systems (micro, midi, full-size)
- └─ 22.1.8 Speakers, passive
- └─ 22.1.9 Speakers, active
- └─ 22.1.10 Active speakers Multiroom loudspeakers with wireless audio transmission (W-LAN, Airplay, GoogleCast, Bluetooth, etc.)
- └─ 22.1.11 Active speakers/ complete systems with docking connections (for iPhone/ iPad)
- └─ 22.1.12 Subwoofer/ Satellite systems
- └─ 22.1.13 Turntables, analog
- └─ 22.1.14 Clock radios
- └─ 22.1.15 Radio alarm clock
- └─ **22.2 Audio and HiFi systems (portable)**
- └─ 22.2.1 MP3 players
- └─ 22.2.2 CD radios
- └─ 22.2.3 DAB+ radios
- └─ 22.2.4 Internet radios
- └─ 22.2.5 Shortwave receivers
- └─ 22.2.6 Wireless speakers Boombox (Bluetooth, W-LAN, Airplay, etc.)
- └─ 22.2.7 Multiroom speakers
- └─ **22.3 Multi-channel surround sound systems**
- └─ 22.3.1 Surround decoders
- └─ 22.3.2 AV amplifiers
- └─ 22.3.3 AV receivers
- └─ 22.3.4 Multi-channel speaker systems
- └─ 22.3.5 Soundbars

- └─ **22.4 Headphones**
- └─ 22.4.1 Headphones, closed system
- └─ 22.4.2 Headphones, open system
- └─ 22.4.3 Headphones, in-ear
- └─ 22.4.4 Headphones, wireless
- └─ 22.4.5 Noise-cancelling headphones
- └─ 22.4.6 Headphone amplifiers
- └─ **22.5 Accessories**
- └─ 22.5.1 Speaker stands
- └─ 22.5.2 Connecting cables, plugs, adapters
- └─ 22.5.3 Microphones and accessories
- └─ 22.5.4 Mixers
- └─ 22.5.5 Cleaning and care products
- └─ 22.5.6 Universal remote control units
- └─ 22.5.7 Spikes, dampers, acoustic absorbers, etc.
- └─ 22.5.8 Batteries
- └─ **22.6 Electrical musical instruments**

## 23 Smart Home/ Home Networks/ Robotics

- └─ **23.1 Home Networks/ home automation**
- └─ 23.1.1 Sensors/ actuators
- └─ 23.1.2 Programmable switches, outlets
- └─ 23.1.3 Control Units for light/ electrical appliances
- └─ 23.1.4 Control Units for heating/ air conditioning
- └─ 23.1.5 Control Units for blinds/ windows
- └─ 23.1.6 Security systems
- └─ 23.1.7 Systems for door openers/ access control
- └─ 23.1.8 Webcams
- └─ 23.1.9 Built in displays
- └─ 23.1.10 System for speech control
- └─ **23.2 Drone**
- └─ 23.2.1 Transport drone
- └─ 23.2.2 Drone with cameras/ camera stand
- └─ 23.2.3 Manned drone
- └─ **23.3 Robotics**
- └─ 23.3.1 Play and learn robots
- └─ 23.3.2 Personal service robots
- └─ 23.3.3 Robots for advertisement and entertainment
- └─ 23.3.4 Cleaning robot
- └─ 23.3.5 Surveillance robot
- └─ 23.3.6 Delivery robot
- └─ **23.4 Network components**
- └─ 23.4.1 Router, Gateways
- └─ 23.4.2 Modem
- └─ 23.4.3 WiFi Hotspots
- └─ 23.4.4 Hubs, Switches

- └─ 23.4.5 KNX components
- └─ 23.4.6 Other components and switch elements
- └─ 23.4.7 Server
- └─ 23.4.8 NAS drive
- └─ 23.4.9 Casing, switch cabinets
- └─ 23.4.10 Cable
- └─ **23.5 Maintenance and metering**
- └─ 23.5.1 Intelligent electricity meters, "Smart Grid" components
- └─ **23.6 Energy suppliers**
- └─ **23.7 Service providers**
- └─ 23.7.1 Security Monitoring
- └─ 23.7.2 Service for ambient assisted living, telemedicine
- └─ 23.7.3 Cloud Services
- └─ 23.7.4 Programming services

## 24 Infrastructure: Terrestrial, Satellite, Cable

- └─ **24.1 Set-top boxes**
- └─ **24.2 Receiving antenna systems and accessories (terrestrial and satellite)**
- └─ 24.2.1 Single antenna and small master antenna systems (plus accessories) for terrestrial TV reception
- └─ 24.2.2 Single antenna and small master antenna systems (plus accessories) for satellite TV
- └─ 24.2.3 Large-scale master antenna systems (plus accessories) for terrestrial TV reception
- └─ 24.2.4 Large-scale master antenna systems (plus accessories) for satellite TV
- └─ 24.2.5 Antenna positioners
- └─ 24.2.6 Head units, RF amps and other cable network components
- └─ **24.3 Broadcasting network operators**
- └─ 24.3.1 Satellite operators
- └─ 24.3.2 Cable network operators
- └─ 24.3.3 DSL/ fiber optic network operators
- └─ **24.4 Telecommunication network operators**
- └─ 24.4.1 Wired network operators
- └─ 24.4.2 Mobile network operators
- └─ **24.5 Service providers for wired and mobile networks**
- └─ **24.6 Internet providers**

## 25 Communications

- └─ **25.1 Communication devices, mobile**
- └─ 25.1.1 Cordless telephones
- └─ 25.1.2 Mobile telephones
- └─ 25.1.2.1 Smartphones
- └─ 25.1.3 Surf sticks

- └─ 25.1.4 Mobile routers
- └─ **25.2 Communication devices, stationary**
- └─ 25.2.1 Telephones
- └─ 25.2.2 Internet telephones (Voice over IP)
- └─ 25.2.3 Telephone answering machines/ add-on accessories
- └─ 25.2.4 Private branch exchange systems/ telecommunication systems
- └─ 25.2.5 Video conferencing systems
- └─ 25.2.6 Terminal device accessories (cable, adapters, etc.)
- └─ **25.3 Wireless devices**
- └─ **25.4 Accessories**
- └─ 25.4.1 Routers, modems
- └─ 25.4.2 Hands-free accessories
- └─ 25.4.3 Headsets
- └─ 25.4.4 Cases, adapters
- └─ 25.4.5 Chargers, rechargeable batteries
- └─ 25.4.6 Other

## 26 IT Hardware & Software/ VR

- └─ **26.1 Personal computers**
- └─ 26.1.1 Desktop computers
- └─ 26.1.2 Notebooks
- └─ 26.1.3 Tablet PCs
- └─ 26.1.4 3D Tablets
- └─ 26.1.5 E-readers
- └─ 26.1.6 E-Books
- └─ 26.1.7 Cases/ accessories
- └─ **26.2 3D printing**
- └─ 26.2.1 3D printers
- └─ 26.2.2 3D scanner
- └─ 26.2.3 Software and service for 3D printing
- └─ 26.2.4 3D printing materials
- └─ **26.3 Electronic eyewear**
- └─ 26.3.1 Smart glasses
- └─ 26.3.2 Video glasses and multi-view glasses
- └─ **26.4 Add-ons and peripherals**
- └─ 26.4.1 Sound/ graphics cards (incl. external cards)
- └─ 26.4.2 Audio/ video adapters
- └─ 26.4.3 Printers
- └─ 26.4.4 Graphic input devices
- └─ 26.4.5 Joysticks/ controllers/gaming accessories
- └─ 26.4.6 Cables
- └─ 26.4.7 Cards with interface extensions
- └─ 26.4.8 Headphones
- └─ 26.4.9 Microphones
- └─ 26.4.10 Monitors
- └─ 26.4.11 PC speakers
- └─ 26.4.12 Cleaning and care products
- └─ 26.4.13 Scanners

- └─ 26.4.14 Storage systems
- └─ 26.4.15 Keyboards
- └─ 26.4.16 TV and radio tuner cards/ adapters
- └─ 26.4.17 Webcams

## └─ 26.5 Software/ applications

- └─ 26.5.1 Operating systems
- └─ 26.5.2 Application software, apps

## └─ 26.6 VR

- └─ 26.6.1 VR eyeglasses
- └─ 26.6.2 360 degree cameras
- └─ 26.6.3 3D Microphone

## └─ 26.7 Mobile payment

- └─ 26.7.1 Payment Services

## 27 Wearables & Smart Fitness

- └─ 27.1 Smart watches
- └─ 27.2 Trackers, for sports, outdoor activities, sleeping
- └─ 27.3 Smart hearing aids
- └─ 27.4 Smart clothes and helmets

## 28 Photo/ Video

- └─ 28.1 Digital cameras
  - └─ 28.1.1 with fixed focal length
  - └─ 28.1.2 with zoom lenses
  - └─ 28.1.3 System cameras
  - └─ 28.1.4 SLR cameras
- └─ 28.2 Camcorders
  - └─ 28.2.1 SD resolution
  - └─ 28.2.2 HD resolution
  - └─ 28.2.3 UHD resolution
  - └─ 28.2.4 with zoom lenses
  - └─ 28.2.5 with fixed focal length
  - └─ 28.2.6 Action cams
- └─ 28.3 Video editing and photo editing
  - └─ 28.3.1 Computer hardware and software for video-/ photo editing
- └─ 28.4 Storage media for digital cameras/ camcorders
- └─ 28.5 Image input/ output devices
  - └─ 28.5.1 Scanners
  - └─ 28.5.2 Printers
  - └─ 28.5.3 Digital picture frames
- └─ 28.6 Camera and camcorder accessories
  - └─ 28.6.1 Lenses
  - └─ 28.6.2 Adapters, batteries, rechargeable batteries
  - └─ 28.6.3 Cables, adapters
  - └─ 28.6.4 Cleaning and care products

- └─ 28.6.5 Tripods
- └─ 28.6.6 Universal remote control units
- └─ 28.6.7 Waterproof cases
- └─ 28.6.8 Mixers
- └─ 28.6.9 Other accessories

## 29 Car Media

### └─ 29.1 Car audio

- └─ 29.1.1 Car radios
  - └─ 29.1.1.1 with integrated CD drive
  - └─ 29.1.1.2 with integrated USB interface
  - └─ 29.1.1.3 Bluetooth capability (music transmission, hands-free operation)
  - └─ 29.1.1.4 with integrated telephone devices
  - └─ 29.1.1.5 Integrated DVD players
  - └─ 29.1.1.6 Integrated surround and multichannel electronics
  - └─ 29.1.1.7 DAB + receivers
- └─ 29.1.2 Moniceivers (combination display/ receiver)
- └─ 29.1.3 Car audio amplifiers, boosters
- └─ 29.1.4 Car audio components (equalizers, digital sound processors, surround decoders)
- └─ 29.1.5 Car audio systems
- └─ 29.1.6 Car speakers, passive
- └─ 29.1.7 Car speakers, active
- └─ 29.1.8 Active crossovers
- └─ 29.1.9 Vehicle-specific speakers and installation kits
- └─ 29.1.10 Car audio accessories (antennas, handsfree kit adapter, cables, fuses)

### └─ 29.2 Car Video

- └─ 29.2.1 DAB + data receiver
- └─ 29.2.2 Mobile DVB-T units
- └─ 29.2.3 Mobile video units
- └─ 29.2.4 Dashcams, Rearview camera/ porting aid
- └─ 29.2.5 Video and multimedia displays
- └─ 29.2.6 Head-up displays

### └─ 29.3 Navigation

- └─ 29.3.1 Navigation systems for permanent installation
- └─ 29.3.2 Mobile navigation systems

### └─ 29.4 Vehicle alarm systems

## 30 Research Labs and Start-ups

### └─ 30.1 Research and development

- └─ 30.1.1 University research and development
- └─ 30.1.2 Institutional research and development
- └─ 30.1.3 Industrial research and development

### └─ 30.2 smart mobility

- └─ 30.2.1 Electric mobility

- └─ 30.2.2 In-car systems
- └─ **30.3 Start-ups**
- └─ **30.4 Incubators/ Accelerators**
- └─ **30.5 Associations**
- └─ **30.6 Jobs and training**

### **31 Miscellaneous**

- └─ **31.1 Furniture and storage systems**
  - └─ 31.1.1 Furniture for TV, video and audio systems
  - └─ 31.1.2 Media shelves, furniture
  - └─ 31.1.3 TV mounting systems, rotating TV stands, monitor holders
- └─ **31.2 Publications**
  - └─ 31.2.1 Special interest literature, trade magazines and publishers
  - └─ 31.2.2 TV guides
- └─ **31.3 Hearing aids**
- └─ **31.4 Watches and alarm clocks**
- └─ **31.5 Digital weather stations**

### **32 Household Appliances: Large**

- └─ **32.1 Refrigerators and freezers**
  - └─ 32.1.1 Absorption refrigerators
  - └─ 32.1.2 Freezers
  - └─ 32.1.3 Chest freezers
  - └─ 32.1.4 Fridge-freezers
  - └─ 32.1.5 Refrigerators
  - └─ 32.1.6 Car and camping refrigerators
  - └─ 32.1.7 Wine refrigerators
  - └─ 32.1.8 Humidor
- └─ **32.2 Laundry appliances and dishwashers**
  - └─ 32.2.1 Dishwashers
  - └─ 32.2.2 Spin driers
  - └─ 32.2.3 Clothes driers
  - └─ 32.2.4 Washer-driers
  - └─ 32.2.5 Washing machines
- └─ **32.3 Cooking and baking appliances**
  - └─ 32.3.1 Ovens
  - └─ 32.3.2 Steam ovens
  - └─ 32.3.3 Cooker hoods
  - └─ 32.3.4 Gas cookers and ovens
  - └─ 32.3.5 Ceramic cooktops
  - └─ 32.3.6 Induction cooktops
  - └─ 32.3.7 Cooktops
  - └─ 32.3.8 Microwaves
  - └─ 32.3.9 Electric cookers

### **33 Built-in kitchen units**

- └─ **33.1 Built-in ovens**
- └─ **33.2 Built-in steam ovens**
- └─ **33.3 Built-in cooker hoods**
- └─ **33.4 Built-in freezers**
- └─ **33.5 Built-in dishwashers**
- └─ **33.6 Built-in cookers**
- └─ **33.7 Built-in automatic coffeemakers**
- └─ **33.8 Built-in food processors**
- └─ **33.9 Built-in refrigerators**
- └─ **33.10 Built-in microwaves**
- └─ **33.11 Built-in warming drawers/ plate warmers**
- └─ **33.12 Built-in washers**
- └─ **33.13 Other built-in units**

### **34 Household Appliances: Small**

- └─ **34.1 Kitchen appliances**
  - └─ 34.1.1 All-purpose slicers
  - └─ 34.1.2 Baby bottle warmers
  - └─ 34.1.3 Bread ovens, breadmakers
  - └─ 34.1.4 Egg cookers
  - └─ 34.1.5 Electronic kitchen scales
  - └─ 34.1.6 Electric knives
  - └─ 34.1.7 Electric openers
  - └─ 34.1.8 Juicers
  - └─ 34.1.9 Espresso machines
  - └─ 34.1.10 Fondue makers
  - └─ 34.1.11 Deep-fat fryers
  - └─ 34.1.12 Grain/ spice mills
  - └─ 34.1.13 Grills
  - └─ 34.1.14 Handheld electric mixers
  - └─ 34.1.15 Yoghurt makers
  - └─ 34.1.16 Coffee machines
  - └─ 34.1.17 Coffee grinders
  - └─ 34.1.18 Food processors
  - └─ 34.1.19 Graters and peelers
  - └─ 34.1.20 Hand blenders
  - └─ 34.1.21 Tea makers
  - └─ 34.1.22 Toasters
  - └─ 34.1.23 Vacuum sealers/ plastic film sealers
  - └─ 34.1.24 Vaporizers
  - └─ 34.1.25 Waffle irons/ makers
  - └─ 34.1.26 Electric kettles
  - └─ 34.1.27 Other kitchen equipment
- └─ **34.2 Floor cleaning machines**
  - └─ 34.2.1 Battery-powered vacuum cleaners
  - └─ 34.2.2 Upright vacuum cleaners
  - └─ 34.2.3 Steam cleaners
  - └─ 34.2.4 Window vacuum cleaners
  - └─ 34.2.5 Hand-held vacuum cleaners
  - └─ 34.2.6 Wet-dry vacuum cleaners
  - └─ 34.2.7 Cleaning robots
  - └─ 34.2.8 Spray extraction machines
  - └─ 34.2.9 Other floor cleaning machines

└─ **34.3 Irons and ironing systems**

- └─ 34.3.1 Irons
- └─ 34.3.2 Ironing stations
- └─ 34.3.3 Steam generators
- └─ 34.3.4 Shirt irons

└─ **34.4 Other small household appliances**

**35 Lifestyle/ Wellness**

- └─ **35.1 Beard trimmers**
- └─ **35.2 Ladies' shavers**
- └─ **35.3 Steam therapy devices**
- └─ **35.4 Dental care appliances**
- └─ **35.5 Electric acupuncture units**
- └─ **35.6 Electric toothbrushes**
- └─ **35.7 Epilators**
- └─ **35.8 Foot massage products**
- └─ **35.9 Hair trimmer**
- └─ **35.10 Hair stylers**
- └─ **35.11 Hand dryers**
- └─ **35.12 Handheld hairdryers**
- └─ **35.13 Heating pads and blankets**
- └─ **35.14 Infrared heaters**
- └─ **35.15 Body massage devices**
- └─ **35.16 Manicure/ pedicure products**
- └─ **35.17 Oral irrigators**
- └─ **35.18 Razors**
- └─ **35.19 Soft lasers**
- └─ **35.20 Solariums**
- └─ **35.21 Drying hoods**
- └─ **35.22 Other wellness and personal care products**

**36 Digital Health**

- └─ **36.1 Blood glucose monitoring**
- └─ **36.2 Blood pressure monitors**
- └─ **36.3 Digital thermometers**
- └─ **36.4 Electric scales**
- └─ **36.5 Heart rate monitors**
- └─ **36.6 Inhalers**
- └─ **36.7 Light therapy devices**
- └─ **36.8 Electro stimulation devices**

**37 Electric Heating and Air Conditioning Appliances**

- └─ **37.1 Electric home heating devices**
- └─ 37.1.1 Electric heating systems
- └─ 37.1.2 Underfloor heating
- └─ 37.1.3 Heaters and radiators
- └─ 37.1.4 Convector/radiators
- └─ 37.1.5 Photovoltaic devices
- └─ 37.1.6 Heating system controls
- └─ 37.1.7 Solar energy systems
- └─ 37.1.8 Heat pumps

- └─ 37.1.9 Heat accumulators
- └─ 37.1.10 Home ventilation with heat recovery
- └─ 37.1.11 Other electric heating products

└─ **37.2 Electric water heaters**

- └─ 37.2.1 Instantaneous water heaters
- └─ 37.2.2 Hot water tanks
- └─ 37.2.3 Water boilers
- └─ 37.2.4 Other electric hot water devices

└─ **37.3 Air conditioning and ventilation**

- └─ 37.3.1 Portable air conditioners
- └─ 37.3.2 Permanently installed air conditioners
- └─ 37.3.3 Fans and ventilators
- └─ 37.3.4 Humidifiers and air purifiers
- └─ 37.3.5 Other air conditioning and ventilation devices

**38 Components and Accessories for Electric Appliances**

└─ **38.1 Components and accessories**

- └─ 38.1.1 Integrated kitchens and built-in appliances
- └─ 38.1.2 Manufacturing of laser and micro-forming machines
- └─ 38.1.3 Air conditioners, fans and ventilators
- └─ 38.1.4 Cooking/ baking units, grills
- └─ 38.1.5 Personal care appliances and plumbing fixtures
- └─ 38.1.6 Kitchen/ small appliances
- └─ 38.1.7 Refrigerators and freezers
- └─ 38.1.8 Machinery and systems for manufacturing refrigerators and freezers
- └─ 38.1.9 Space heating appliances and systems
- └─ 38.1.10 Cleaning and maintenance equipment
- └─ 38.1.11 Testing and control for household appliances
- └─ 38.1.12 Small heating appliances
- └─ 38.1.13 Water heaters
- └─ 38.1.14 Washing machines, dryers and equipment

└─ **38.2 Parts and accessories for electric appliances**

- └─ 38.2.1 Alarm equipment and systems
- └─ 38.2.2 Connector boxes for stationary equipment
- └─ 38.2.3 Drive belts for washing machines and electric appliances
- └─ 38.2.4 Automatic machines
- └─ 38.2.5 Batteries
- └─ 38.2.6 Mounting materials
- └─ 38.2.7 Diodes, semiconductors, resistors
- └─ 38.2.8 Built-in switches, cable switches for all purposes
- └─ 38.2.9 Electronic components
- └─ 38.2.10 Remote control units

- └ 38.2.11 Installation material and parts
- └ 38.2.12 Insulated power cables
- └ 38.2.13 Cable connectors
- └ 38.2.14 Commutators
- └ 38.2.15 Capacitors, transformers, coils, assemblies
- └ 38.2.16 Chargers and power units
- └ 38.2.17 Power cable and metal detectors
- └ 38.2.18 Luminosity sensors
- └ 38.2.19 Terminal blocks, clamping elements
- └ 38.2.20 Signal and display lights, signaling devices
- └ 38.2.21 Signal and control units
- └ 38.2.22 Motors and gearboxes (incl. electronically controlled)
- └ 38.2.23 Switches, fuses, sockets and plugs for all types of appliances
- └ 38.2.24 Switching, control and regulating devices
- └ 38.2.25 Switching relays and contactors
- └ 38.2.26 Sensors
- └ 38.2.27 Sensor display screens
- └ 38.2.28 Sensor key panels
- └ 38.2.29 Dials, type and rating plates
- └ 38.2.30 Intercoms
- └ 38.2.31 Sockets with protective contacts
- └ 38.2.32 Sockets with circuit breakers
- └ 38.2.33 Connector systems
- └ 38.2.34 Thermo bimetals
- └ 38.2.35 Thermostats, temperature and current limiters
- └ 38.2.36 Touch lamps
- └ 38.2.37 Touch sensors
- └ 38.2.38 Meters (all types), measuring and control units
- └ 38.2.39 Timers
- └ 38.2.40 Power cables for all types of appliances

Print

Delete

Send