

Commodity	ecl@ss	Description
Drive technology	23329000	Rotary drives
		Gears
		Gear-motors
		V-belts
		V-belt pulleys
		Motors
		Swivel units (electrical)
		Servo drives
		Safety layouts
		Locking units and marking discs
		Gearwheels
		Toothed belts and toothed discs/ lock washers, gearrack, rail
		Application technology
Inductive heating installations		
Adhesive and sealing systems		
Installation technology		
Nut feeders		
Plasma cutting		
Embossing units		
Flue gas extraction		
Roller folder fixtures		
Screw technology		
Stamping installations and tools		
Connection technology		
Feeding units		
Construction service	22100000	Foundation work and building services
		Complete order for pipes/ medium installation
Storing of parts	28100000	Component container technology
		Component carriage
		Spindle magazine
		Chain magazine
		Catch store
		Rack changer
Services	25160000	Stacking columns
		Work and protective clothing
		Services via works contracts
		Documentation
		Glass
		Household goods and equipment
		Commissioning services
		maintenance services
		Maintenance and wear and tear parts of all types
		Small tool machines
		Designs from FMS installation technology
		Design services
		Leasing
		Renting
		Installation and maintenance services
		Planning services
		Inspection/ care/ maintenance/ servicing/ repairs
		Training
		Chip-removing tools: (twist drills, screw taps, countersinking tools, reamers, milling tools, reversing plates)
		Translation and interpreting services
Visitor cards		
Tool wear		
Time-based work (AÜG)		
IT, office products	19020000	"E-commerce" orders, office material
		Medicines
		Office and business equipment/ investments
		Office furniture and equipment
		IT accessories and spare parts
		Fax machines/ printers/ hardware
		IT hardware
		IT software and licenses
		Repairs "office and business equipment"
		Telecommunications (mobile phones, telephone installation)
		Journals, books, DIN and standard sheets
Electrical engineering	27140000	Actuator-/ sensor systems
		Display systems
		Workplace lights/ hall lighting
		Operating consoles/ platforms
		Control computer
		Command and message equipment
		Electrical installation (material and service)
		Electronic material (catalogue trade)
		Encoder
		Ethernet installation
		Field bus systems
		Frequency converter
		Heavy current plug-in connectors
		Ident. systems (barcode)
		Proximity switches - laser
		Proximity switches - visual
		Proximity switches – ultrasonic
		Proximity switches / sensors - inductive
		Proximity switches / sensors – capacitive
		Cables and lines
Cable channels (material and installation)		

Commodity	ecl@ss	Description
		Low voltage switchgear
		Switches – limit switches
		Switches – momentary contact switches
		Switches – position switches
		Switchgear
		Switching strips and impact mats
		Control cabinet construction (material and service)
		Control cabinet/ bus housing/ terminal box
		Plates and labels - Electrical eng.
		Sensor technology (laser scanners and light barriers)
		Safety devices – safety switchgear
		Safety devices – safety PLC
		Storage and safety blocks
		PLC (programmable logic controller)
		Plug-connector
		Control units for locking devices
		Control cabinets, compete.
		Control power transformers and power supply units
		Wiring systems
Facility Management	25040000	Heating requirements
		Sanitary requirements
Production part	25090700	Machined frames and tensioning frames
		Milled parts according data record (hemming bed)
		Rotary / swivel parts, hardened and not hardened
		Single shaped stones as per data record
		Milling and boring equipment parts
		Foundation plates, burnt, plastered and primed
		Welding subassembly and individual parts
		Welding consoles for grippers and tongs
		Other production parts as per drawing
Fluid technology	27290000	Rotary cylinder(s)
		Compressed air fittings
		Compressed air reservoirs
		Pressure switch(es), hydraulic
		Pressure switch(es), pneumatic
		Water/ compressed air infeed
		Filters
		Filters hydraulic
		Filters, pneumatic
		Articulated spherical joints (catalogue type up to size 80)
		Articulated spherical joints, large sizes 35 + special version.
		Hall installation plates (HIP)
		Hydraulic units
		Hydraulic units for standardization
		Installation technology (pneumatic)
		Compressor installations
		Ball cocks
		Cooling water extractors
		Manometer
		Proportional valves
		Pumps, pneumatic/ hydraulic
		Robot installation plates (RIP)
		Silencers
		Silencers for differential pressure switch(es)
		Hoses (pneumatic/ hydraulic)
		Quick-acting closure couplings
		Swivel units (pneumatic)
		Flow monitoring devices
		Monitoring equipment
		Vacuum technology
		Valves (hydraulic)
		Valves (pneumatic)
		Valve islands (pneumatic)
		Screw connections
		Heat exchangers
		Maintenance equipment
		Cylinders (hydraulic and pneumatic)
		Cylinder accessories
Materials handling	36120000	Wire ropes with suspension gear
		Spring balances
		Conveyor chains
		Materials-handling technology (monorail conveyors, roller conveyors, elevating platforms/ frames, skid materials-handling technology, spindle lifting parts, accumulating conveyors, goods conveyors etc.)
		Lifting shuttle
		Crane technology – KBK rail systems and accessories
		Crane technology – chain hoists
		Crane technology - ceiling, wall and column swinging cranes
		Manipulators
		Overhead transfer/ portals
		Shuttleholm profile pipes
		Skids for unmachined bodies
		Spindle lifting table
		Transport frames
		Overhead conveyor
Casting	35020900	Aluminium gripper plates (aluminium cast)
		Castings – Model production
		Castings – Unfinished aluminium cast parts
		Castings – Unfinished ductile cast parts

Commodity	ecl@ss	Description
		Castings – Unfinished steel cast parts
Semifinished product	35010000	Building site master orders (semi-finished parts + installation) Rubber (edge protection profiles, rubber mats) Hard (cotton) fabrics Plastic blanks Macrolon plates / discs
Operating supplies	21132100	Grease, oils, paints, gas, oxygen, chemicals, acids, petroleum Wood (squared timber, boards)
Complete installation	33080100	Electrical equipment, complete order Complete installations (finishing work) Complete turn-key orders, mechanical
Linear technology	23300000	Sliding parts Plain bearings Linear guides
Measuring equipment	27209000	Construction gauges, measuring socket Inline and online measuring technology (image processing systems) Checking devices Ultrasonic test equipment Position-measuring systems
Standardised/machine parts	23000000	Scraper brushes Standard car parts Attachment technology Drilling bushes Bolts as per car standard Damping elements Sealing elements (O-rings, shaft seals etc.) Dowels Compression dowels and accessories Electromagnets Energy conducting chains Springs – Catalogue parts (compression and tension springs) Springs as per drawings (depending on size) Gas springs Threaded inserts Friction bearings, porous bearings Insulating sleeves Insulating tubes Pin/bush ceramic coated Chains Chain wheels Adhesive anchors / cartridges Clamps (aluminium casting) Cross clamps (four-way clamps) (aluminium casting) Couplings, mechanical Bearings (plain, ball, needle bearings) Magnets Multi-couplings Cams Cam strips Standardised parts Slotted strips/ drums Adjusting washers/ shim rings (DIN 988) Profile systems Tube clamping systems Rollers and wheels Clamps Screws Shrinkage plates Conduits Hex. head nuts/e.g. SO 4032, ISO 8675 S-Grün rails and parts as per drawings Shims, spacers and equalising plates Shock absorbers Cup springs Centering discs
Packaging aid	20420000	Packing material, film, adhesive
Programming	25240000	Programming services
Robotics/assembly	27380200	Media packages – hose packages Robots and accessories Robot platforms, complete, including painting Robot heavy load platforms, complete including painting Traversing axis / 7th axis for robot Tool changing devices (for installations)
Protective fittings	22520390	Bellows Glass (e.g. inspection window glass, blanks) Noise protection cabins Sliding doors/ swing flaps Safety gates/ windows Safety doors, complete Safety fence systems made Soft PVC curtains (welding splash protection)
Soldering, welding	21080000	Stud welding equipment with accessories Resistance welding installation with accessories Electrodes and electrode caps Aluminium electrode arms Bent electrode arms

Commodity	ecl@ss	Description
		Cast electrode arms
		Electrode cap miller
		Electrode shafts/ holders
		Hand tongs, individual
		Hand tong installations with control and KBK rails
		Cap changer
		Cooling pipes (welding tongs)
		Quick exchange plates, manual
		Machine welding tongs
		MIG/MAG welding installations
		MIG soldering equipment
		Robot welding tongs
		Protective sleeves for robot tongs
		Welding cables
		Welding current controls
		Welding transformers
		Welding cylinder
		Standard spot welding machines
		Transformers
		Wheeled tongs
Clamping units	21020000	Sliding jaw tensioning spindle
		Manual tensioner
		Pneumatic tensioner
		Hob tensioner
		Swivel units
		Tensioning units
		Tensioning parts
		Pin extraction cylinder
		Substructure tensioner
Steel constructions	22101700	Platforms
		Gratings
		Scaled gratings (as per drawing)
		Robot exit rails as per drawing
		Special profiles and special materials
		Steel constructions
		Maintenance gangways and platforms
		Corrugated wire gratings
Station/cell	99200000	Manufacturing stations
Fixture/tooling	21120000	Component mounts (fixtures)
		Beading fixtures
		Rotary tables, rotary drums
		Transfer and ejection fixtures
		Curling plants and tools
		Gripper stations, places of deposit as per drawing
		Gripper technology
		Plates and labels - fixture/tool
		Slip ring transformer
		Fixtures, mounted cold/ warm