



Appliance component catalog

Public selection information · 2026-09-09

20 public product platforms · China & Thailand manufacturing

Micromotors, drain actuators, locks, controls, sensors and hydraulic components.

Find platforms by application. Project drawings and certification documents are available on request.

Synchronous Motor with Lead Wire

Dishwasher Door Lock

Water-Tank Component Assembly

Turbidity Sensor

Spray Arm

Drain Motor — QDYZ-BSD-1

Drain Motor — QDYZ-BSD-3

Drain Motor — QDYZ-WJ

Drain Motor Family — QDYZ-BTD-7 / BTD-12 / BTS-14

Drain Motor — QDYZ-BTD-2

Drain Motor — QDYZ-B

Drain Motor — QDYZ-MN

Synchronous Motor — ST-D49T

Oven-Latch Synchronous Motor — ST-D49D

Oven Door Lock

Infinite Switch

Stepper Motor Family — 35YJ46 / 28BYJ48 / 24BYJ48

Air-Cooler Drain Motor — QDYZ-WJ-OL

Dryer Timer

Electrical Drain Valve

Synchronous Motor with Lead Wire

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Dishwashers and fans



Lead-wire connection simplifies appliance wiring, with multiple low-speed outputs and bidirectional rotation for valves, dampers and related mechanisms.

Rated voltage	220-240 V
Frequency	50/60 Hz
Output speed	2.5/3.0 · 4/4.8 · 5/6 rpm
Insulation class	Class E
Service life	≥100,000 cycles

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program. Request model-specific torque data.

<https://nbsunta.com/products/lead-wire-synchronous-motor/>

Dishwasher Door Lock

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Smart dishwasher platforms



Provides door locking and position control during wash programs, balancing travel speed, output force and structural integration.

Rated voltage	12 V DC
Rated current	220 mA
Output force	≤ 80 N
Travel speed	20 mm/s
Rotation	Free

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/dishwasher-door-lock/>

Water-Tank Component Assembly

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Integrated dishwasher sump assemblies



Combines the hydraulic housing, interfaces and synchronous drive in an appliance-ready assembly for coordinated water-path development.

Rated voltage	220-240 V
Frequency	50/60 Hz
Rated current	≤35 mA
Speed	4 / 4.8 rpm
Direction	CCW

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program. Request model-specific torque data.

<https://nbsunta.com/products/water-tank-assembly/>

Turbidity Sensor

Public selection information · 2026-09-09

Dishwashers



Detects wash-water condition to support optimized cycle duration, rinse strategy and water efficiency.

Operating voltage	5 V DC
Extraction force	>5 N
Insulation resistance	>100 MΩ

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/turbidity-sensor/>

Spray Arm

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Dishwasher spray systems



Hot-plate welded upper and lower shells form a sealed water channel; outlet jets rotate the arm for cleaning coverage.

Body material	Engineering polymer
Joining process	Hot-plate welding
Function	Rotating spray
Validation	Flow and sealing

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/spray-arm/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-BSD-1

Automatic washing machines



Stable-stroke drain-valve actuation with fast reset for automatic washing machines.

Recovery force	<10 N
Reset time	<1 s
Traction time	<10 s
Steel-wire length	49±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	23±1 / 90±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-bsd-1/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-BSD-3

Automatic washing machines



Compact drainage actuator for automatic-washer mechanisms and dual-voltage platforms.

Recovery force	<10 N
Reset time	<1 s
Traction time	<10 s
Steel-wire length	25±1 mm
Working voltage	110 / 220 V, 60 Hz
Stroke	24±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-bsd-3/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-WJ

Automatic washing machines



A high-recovery-force platform for washer mechanisms requiring robust reset performance and stable mounting.

Recovery force	>80 N
Reset time	<1 s
Traction time	<10 s
Steel-wire length	30±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	23±1 / 75±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-wj/>

Drain Motor Family

Public selection information · 2026-09-09

QDYZ-BTD-7 / BTD-12 / BTS-14

Multi-platform automatic washing machines



Three mechanical formats cover different traction times, cable lengths, strokes and mounting pitches.

Models	BTD-7 / BTD-12 / BTS-14
Recovery force	<10 N
Traction time	<7 / <10 / <10 s
Steel-wire length	38±1 / 31±1 / 38±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	23±1 / 23±1 / 27±1 mm · 70±1 / 78±1 / 78±1 mm

Model-specific data

Model	Cable length	Stroke	Mounting pitch	Traction time
BTD-7	38±1 mm	23±1 mm	70±1 mm	<7 s
BTD-12	31±1 mm	23±1 mm	78±1 mm	<10 s
BTS-14	38±1 mm	27±1 mm	78±1 mm	<10 s

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-btd-bts/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-BTD-2

Automatic washing machines



A standardized metal-bracket platform balancing compact installation, traction stroke and fast reset.

Recovery force	<10 N
Reset time	<1 s
Steel-wire length	30±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	26±1 / 65±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program. Confirm traction time against the current QDYZ-BTD-2 specification.

<https://nbsunta.com/products/qdyz-wj-hf/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-B

Automatic washing machines



Integrated housing and terminal architecture for reliable drainage actuation in automatic washers.

Recovery force	<10 N
Reset time	<1 s
Traction time	<9 s
Steel-wire length	37±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	26±1 / 75±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-b/>

Drain Motor

Public selection information · 2026-09-09

QDYZ-MN

Automatic washing machines



A high-recovery-force round platform for automatic-washer drainage mechanisms.

Recovery force	>80 N
Reset time	<1 s
Traction time	<10 s
Steel-wire length	38±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	23±1 / 78±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-mn/>

Synchronous Motor

Public selection information · 2026-09-09

ST-D49T

Microwave ovens, automatic valves and fans



A compact low-speed synchronous motor for microwave trays, automatic valves and fan mechanisms.

Voltage	220-240 V
Frequency	50/60 Hz
Output speed	2.5 / 3 rpm
Direction	CCW
Pole count	8
Insulation class	Class E

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/st-d49t/>

Oven-Latch Synchronous Motor

Public selection information · 2026-09-09

ST-D49D

Oven door latches



Controlled low-speed actuation and stable torque for oven latches across 110-130 V and 220-240 V platforms.

Rated voltage	110-130 / 220-240 V AC
Frequency	50/60 Hz
Output speed	1.652 rpm (50 Hz) / 1.982 rpm (60 Hz)
Output torque	8(125°) / 12(25°) kgf·cm
Maximum temperature	130°C
Service life	≥100,000 cycles

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/st-d49d/>

Oven Door Lock

Public selection information · 2026-09-09

European oven platforms



An extended-linkage lock architecture for mechanical adaptation across oven cavities and mounting positions.

Rated voltage	110-130 / 220-240 V AC
Frequency	50/60 Hz
Output speed	1.652 rpm (50 Hz) / 1.982 rpm (60 Hz)
Output torque	8(125°) / 12(25°) kgf.cm
Direction	CW
Service life	≥100,000 cycles

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/oven-door-lock/>

Infinite Switch

Public selection information · 2026-09-09

Electric ranges and ovens



Rotary regulation of heating loads with single-, dual- and triple-circuit configurations and terminal layouts.

Rated voltage	240 V
Rotation	CCW
Control branches	Single / dual / triple
Maximum current	15 A
Control type	Voltage control

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/infinite-switch/>

Stepper Motor Family

Public selection information · 2026-09-09

35YJ46 / 28BYJ48 / 24BYJ48

Air conditioners, smart toilets and related devices



Three frame sizes for dampers, valves and smart-device actuators with low noise and repeatable positioning.

Models	35YJ46 / 28BYJ48 / 24BYJ48
Voltage	5 / 12 V DC
Frequency	100 PPS
Noise	≤40 dB

Model-specific data

Model	Pull-in torque	Temperature rise
35YJ46	≥147 / ≥147 / ≥78.4 mN·m (110 / 130 / 200 Ω)	≤60 K
28BYJ48	≥29.4 mN·m	≤40 K
24BYJ48	≥29.4 mN·m	≤40 K

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

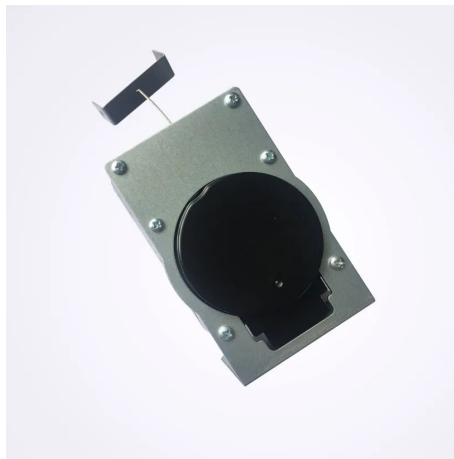
<https://nbsunta.com/products/stepper-motor-family/>

Air-Cooler Drain Motor

Public selection information · 2026-09-09

QDYZ-WJ-OL

Industrial air-cooler drain valves



Metal mounting plate and traction mechanism for industrial air-cooler drain valves, with stable stroke and fast reset.

Recovery force	<10 N
Reset time	<1 s
Traction time	<10 s
Steel-wire length	28±1 mm
Working voltage	220 V, 60 Hz
Stroke / pitch	23±1 / 35±1 mm

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/qdyz-wj-ol/>

Dryer Timer

Public selection information · 2026-09-09

Dryers



Mechanical sequencing and contact control for dryer programs across multiple customer platforms and timing profiles.

Frequency	50/60 Hz
Rated voltage	115 / 220-240 V
Rated current	≤35 mA
Speed	1/49.5 · 8/5 · 1/59.4 rpm
Rotation	CW

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program. Request model-specific torque data.

<https://nbsunta.com/products/dryer-timer/>

Electrical Drain Valve

Public selection information · 2026-09-09

Industrial air coolers



Drainage control for industrial air coolers across broad operating and storage temperature ranges.

Working voltage	220 V AC
Frequency	50/60 Hz
Input power	<7 W
Current	<50 mA
Operating range	-10°C to 70°C
Outlet diameter	1 in

For initial selection, not an approved production drawing. Confirm ratings, load, mounting, interfaces and certification scope for the exact model and program.

<https://nbsunta.com/products/electrical-drain-valve/>