

Tool changer								WW50	WW80	WW100	WW120	WW180	WW220	WW220E	WW250	HW80	Storage stations	Connector
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Modular tool changer

Advantages, benefits, comparisons and tips! Stacks of information all about this product are on page 299.

Order no.:	
WW250 F	WW250 L
Coupling stroke [mm]*:	
-	3
Construction height in locked position [mm]**:	
180	180
Handling weight (recommended) max. [kg]:	
500	500
Self-locking via:	
mech.	mech.
Interchangeable modules [p.]:	
6	6
Pneumatic connector:	
choice	choice
Hydraulic connector:	
choice	choice
Min./max. operating pressure [bar]:	
4/8	4/8
Repeatability ± [mm]:	
0,02	0,02
Air volume per cycle [cm ³]:	
470	-
Min./max. operating temperature [C°]:	
5/80	5/80
Weight [kg]:	
14,5	12

All data measured at 6 bar.

* with max. axis deviation of 3 mm

** incl. adapter panel

Energy elements

Electric modules

Order no.:							
WE250 FS104	WE250 LS104	WE250 FS106	WE250 LS106	WE250 FS115	WE250 LS115	WE250 FS2	WE250 LS2
To match:							
WW250 F	WW250 L	WW250 F	WW250 L	WW250 F	WW250 L	WW250 F	WW250 L
Nominal current [A]:							
27	27	27	27	16	16	135	135
Operating voltage AC [V]:							
380	380	250	250	250	250	550	550
Number of contacts:							
4+PE	4+PE	6+PE	6+PE	15+PE	15+PE	2+PE	2+PE

*** coupling procedure possible under pressure up to 40 bar

See Page 299 for Accessory list.

F = fixed part (robot side)

L = loose part (tool side)



- 1. Fixed part - robot side
- 2. Loose part - tool side
- 3. Electrical ports
- 4. Pneumatic ports
- 5. Hydraulic ports/Water ports
- 6. Locking/Coupling Mechanism
- 7. Locating Pin

Hydraulic, Water and High-Current Applications

This modular tool changer can be outfitted with any combination of pneumatic, electric or hydraulic ports. It is the perfect tool change system because the modular based design can be changed to match whatever the application requires. It can be equipped with up to 6 Power-Element (modules) in any combination. A high-repeatability when coupling is insured via three locating pins.



Max Allowable Forces



Sommer-automatic

Grippers

Separators

Swivel units

Rotating jaws

Axial compensators

Tool changers

Linear cylinders

Shock absorbers

Rotary cylinders

Air vane motors

Vacuum components

Accessories

Quick finder

Pneumatic/hydraulic modules

Order no.:					
WE250 LP1	WE250 FP1	WE250 LP2	WE250 FP2	WW250 LH1***	WW250 FH1***
To match:					
WW250 L	WW250 F	WW250 L	WW250 F	WW250 L	WW250 F
Connection:					
4 x G1/4"	4 x G1/4"	4 x G1/8"	4 x G1/8"	2 x G3/8"	2 x G3/8"
Energy transmission, air:					
yes	yes	yes	yes	no	no
Energy transmission hydr./water:					
no	no	no	no	yes	yes

Blank modules

Order no.:	
WE250 LN	WE250 FN
To match:	
WW250 L	WW250 F
Energy transmission, air:	
no	no
Energy transmission, hydr./water:	
no	no