

# TS005 INDEXER MODULE TECHNICAL DATA



INSPIRING PEOPLE  
GREAT SOLUTIONS

The TS005 Indexer Module is the latest basic controller for WEISS Rotary Indexing Tables. TS005 includes all the essential functions of a rotary indexing table controller and is ideal for the demands of a modern production environment. The Control Module is designed for the TC, TC-N, and TR fixed-station Rotary Indexing Tables.

Apart from the basic functions of a rotary indexing table controller with actuating and operating prompts, the Control Module features a wide range of diagnostic options such as an alarm list, a logbook, and I/O testing. The “Backup and Restore” function is provided to safeguard the set parameters. The TS005 Control Module is downward compatible with its previous model, the TS004.

A graphic display makes operation and commissioning easier. As a self-contained unit and with its mounting rail, the module can be easily installed in the control cabinet to save space. The compact form of the Indexer Module can be seamlessly integrated into modern control cabinet concepts. With the modular design of TS005, the controls and display are positioned directly in the access area and field of view. A light signal integrated into the front of the module shows the status of the controller.

## For MORE productivity

- Guided start-up
- Auto-tuning function for optimizing the cycle time
- Up to ten times more switching cycles with the semiconductor relay recommended by WEISS
- Reduced likelihood of system downtime in series production

## For MORE efficiency

- TS005 provides support for digital engineering with EPLAN macros, AML description files, 4D behavior model for virtual commissioning
- A wide range of diagnostic options reduces the length of time needed for any troubleshooting
- Easy and space-saving installation in the control cabinet

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## Trademarks

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For more details on TS005 please visit  
[weiss-world.com](http://weiss-world.com)

**Subject to technical modifications  
and other changes.**

## Downloads

WEISS CAD Download Portal



Simulation Models at TwinStore



# TS005 INDEXER MODULE

## TECHNICAL SPECIFICATIONS



SPECIFICATIONS	
Platform	Controller (logic)
Performance class	0.045 kW – 3 kW with external power contactor
Communication interface	24 V DC digital I/O
Safety feature	Not available
Operation	Display, control element, status LED
Languages	German, English
Diagnostic option	Alarm list, logbook, I/O monitor
Parameter backup and recovery	Yes
Update capable	Yes
Front panel installation	No
Availability	100 %
Upgrade capability	Modular design

CONNECTION DATA	
Rated voltage	24 V DC SELV / PELV
Max. power consumption	96 W
Digital Inputs	8
Digital Outputs	7
Connection for motor brake	Yes
Motor temperature monitoring	Yes
Connection for external power contactor	Yes
Clamping technology	Push-in, spring coil
Cross section <small>min. – max.</small>	0,25 mm <sup>2</sup> – 1,5 mm <sup>2</sup> , finely stranded (with wire end ferrules with plastic collar)

OPERATING MODES	
Auto	Automatic mode, actuated by external control signals
Manual	Manual mode, operated on the device
Open brake	Opening the motor holding brake

PHYSICAL DATA	
Dimensions <small>W x H x D</small>	108 mm x 96 mm x 61 mm; 6TE
Mounting	DIN rail EN 50022, NS 35 mm x 7,5 mm
Protection class	IP20
Ambient temperature <small>min. – max.</small>	5° C – 55° C
Weight	≈ 0,3 kg

MARKET APPROVALS	
Conformity, approval	– CE (European Union) – UKCA (United Kingdom)

The specified technical data may vary depending on the application.

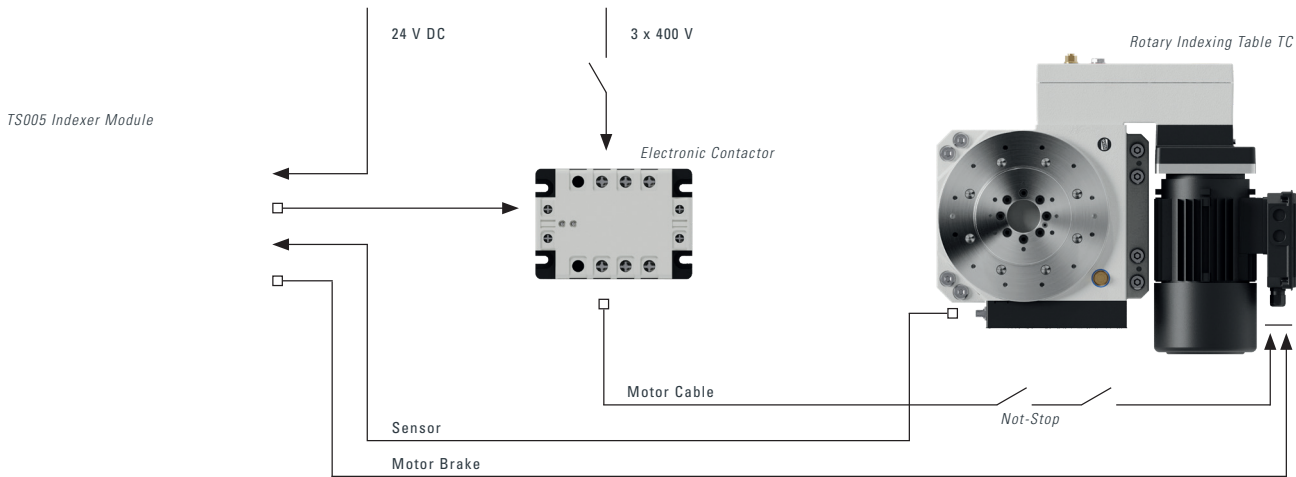


You can find more about the details of your TS005 here:  
[weiss-world.com/TS005](https://weiss-world.com/TS005)

# TS005 INDEXER MODULE

## TECHNICAL SPECIFICATIONS

### Electrical connection



### Terminal diagram

