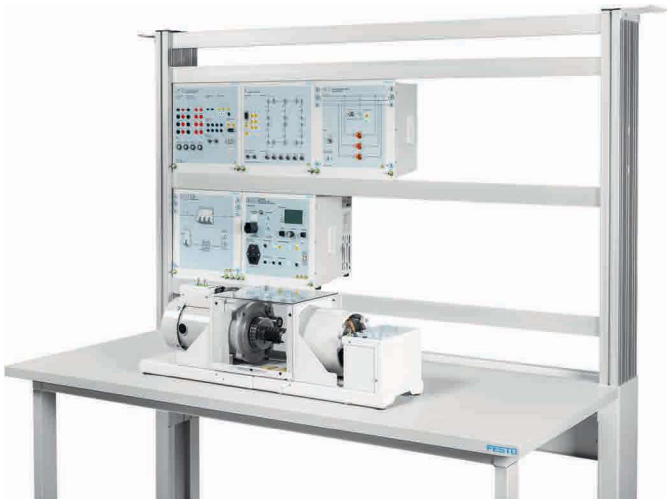
Three-Phase Motor Starters

TP 8015-8



Equipment Set TP 8015-8

220 – 240 V, 50 Hz	**8223529**

The most important components at a glance:

1x Squirrel-Cage Induction Machine	595064
1x Synchronization Lamps and Contactor	8208627
1x Three-Phase AC 400 V DC 230 V Power Supply	594825
1x Power Thyristors	8167245
1x Three-Phase AC Filter	8166653
1x 24V AC Power Supply (Wall Mount)	793290
1x Four-Quadrant Power Supply and Dynamometer Controller (note 1)	595028
1x Four-Quadrant Dynamometer Motor	595062
1x Data Acquisition and Control Interface DACI-2	594499
1x Protective Guard – Face-to-Face	794194

Notes:
The Thyristor function set must also be activated (sold separately, order no. 581454)

Necessary accessories, also order:

1x Coupling Face-to-Face	792271
1x Connection Lead Set and Grounding Kit	595916
1x Three-Phase AC Power Supply and Safety Unit	594826
1x Mobile Frameline, complete model without energy duct **or**	8075133
1x Tabletop Workstation (DIN A4) **or**	8153360
1x Tabletop Double-Sided Workstation	8158409

Note: A computer with a Windows 7/8/10 operating system is also required.

Explore the basics of three-phase motor starters and power electronics drives to ensure safe and efficient motor operation.

This training package provides hands-on experience with motor starters, soft starters, and their advanced features. It also address important phenomena associated with motor starting.

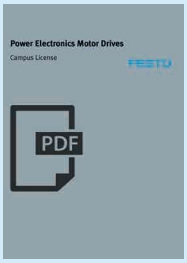
The training package includes the necessary equipment to perform the hands-on learning activities of the “Three-Phase Induction Motors Starters” course, available on Festo LX (subscription required) or as a campus license (sold separately).

Learners connect modules following step-by-step instructions to study topics such as DOL starters and soft starters, advanced features of soft starters such as kick start, soft stop, etc. DC bus, and more.

The four-quadrant power supply and dynamometer controller emulates a flywheel connected to the four-pole squirrel-cage induction motor. The thyristors are managed by the Data Acquisition and Control Interface (DACI), which controls the power delivered to the induction motor. The DACI allows the user to monitor and manipulate parameters, as well as observe the motor’s starting current, torque, and speed.

Recommended Learning Material

Workbooks (→ page 162)



Campus license:

en	8228874

Notes: The campus license “Power Electronics Motor Drives” includes the student and instructor manuals of the following workbooks: “Three-Phase Motor Drives”, “DC Motor Drives”, and “Three-Phase Induction Motor Starters”, Printed workbooks are available upon request.

Courses on Festo LX:

- → Three-Phase Motor Drives
- → DC Motor Drives
- → Three-Phase Induction Motor Starters