italtec
Technical Training Systems

Company with Quality Management System
Certified by DNV = ISO 9001/2015 =

11.1 - EM CONTROL AND REGULATION SYSTEMS

Mod.3230
DC Speed Regulator Module

For open and closed loop regulation with Dc motors used as actuators in automation.
A current limiter with adjustable gain is included, for speed control and variable torque control.

- Input: 230Vac
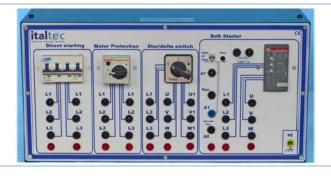
Mod.3240
3Ph AC Speed Regulator Module

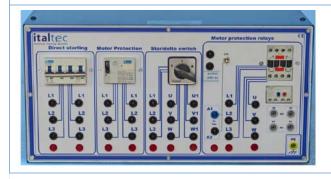To execute experiment on regulation of Ac motors and as actuators for automation, robotics etc.
Frequency converter for all controls and regulations on three-phase source.

- Input : 208/380/415V 50/60Hz
- Output: 400V, 0÷400Hz

Mod.3301-B
Soft-Starter

Soft starter for motors slip-ring and squirrel cage
Star-delta starter
Motor protection adjustable current
Direct-starting

Mod.3301-A
Starter

Starter for motors slip-ring and squirrel cage
Star-delta starter
Motor protection adjustable current 1÷1,6A
Direct-starting

MOD.3183S
Starting and Synchronizing module

for synchronous motor

- With dc power supply 0-220volt up to 2A
- Input/Outputs: 4 mm CE safety sockets

![italtec Technical Training Systems logo]

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11.2 - EM CONTROL AND REGULATION SYSTEMS

Protection for electrical machines:

- Motor protection with adjustable max current
- Option: Motor thermal protection

- Compact table top version or for vertical frame
- **also available for : 1kW, 3kW, 6Kw**

MOD.3302-01
With Star/Delta starter

MOD.3302-02
With MT and Y/D

MOD.3302-03
With Fuses and Y/D

MOD.3302-04
With soft starter and Y/D

MOD.3302-05
With MT

MOD.3302-06
With Fuses

MOD.3184-S Synchronizing indicator
for synchronous generator
It includes three indicator lamps, three line fuses, a three polar switch and 6 security sockets, dual voltmeter, dual frequency meter
- Operative voltage: 208/380/415V

MOD.3210 Tacho generator
Generator for r.p.m. detection, complete with base plate.
- Output: 60mV/rpm

MOD.3210.C
To read the speed of tachogenerator.

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