

1. Title	Install control and starter circuits for general low voltage motors
2. Code	EMELIN213A
3. Range	Install control and starter circuit devices in control boxes, and carry out basic connection for control and starter circuits of general low voltage electric motors or small generators at installation and repair locations according to motor control and starter circuit diagrams.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Functions, construction and working principles of control and starter circuits for general low voltage electric motors or small generators</p> <ul style="list-style-type: none"> ◆ Understand the functions and construction of general motor control and starter circuits such as power on and off push-button switch control, timing control, positioning control, multi-point start/stop control, jog control, one-way starter control, 2-way starter control, direct starter, star-delta starter and relevant protection circuits ◆ Understand the operating principles of general motor control and starter circuit diagrams and circuit numbering system ◆ Understand the installation and connection methods in general motor control and starter circuit diagrams <p>6.2 Implement the installation and connection methods and procedures for basic control and starter circuits of general motors</p> <ul style="list-style-type: none"> ◆ Install and connect basic circuits for general motor control and starter according to diagrams ◆ Perform basic function tests for general motor control and starter circuits <p>6.3 Professionalism in basic connection of general motor control and starter circuits</p> <ul style="list-style-type: none"> ◆ Follow the Code of Practice for the Electricity (Wiring) Regulations to connect basic circuits for general motor control and starter
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to install and connect basic circuits for general motor control and starter according to diagrams and relevant codes of practice; and</p> <p>(ii) Capable to perform basic function tests for general motor control and starter circuits.</p>
8. Remarks	