

Full Course Name	Fundamentals of DC High Speed Circuit Breaker		
Type of the course	e-learning (online)		
Course ID	SE-CO-elearn-HSCB		
Sécheron Product(s)	DC High Speed Circuit Breaker		
Sécheron Business	Components & Customized solutions		
Contents	<ul style="list-style-type: none"> • Fundamentals of Electromechanical Switching Devices; • Main components of HSCB and their functions; • Operating principles, characteristics and functions; • Testing circuits, HSCB under test, requirements and limitations deduced from testing; • Arc generation methods, arc chute; • HSCB control circuits; • Selection and configuration of HSCB. 		
Course description	<p>The course is composed by a theoretical part and a quiz and assessment module.</p> <p>The theoretical part explains the basic design and functioning of DC High Speed Circuit Breaker. The testing of HSCB is described. Typical applications are presented.</p> <p>The overall learning success is measured and verified by a quiz and assessment. A result of minimum 80% is required to receive the Certificate of Achievement.</p>		
Target learners	<p>The course is particularly useful for maintenance staff working in the field of rolling stock, AC and/or DC power substations, or other industrial areas.</p> <p>Anyone with an interest in the how Sécheron DC High Speed Circuit Breaker function, as well as their design and typical applications of these.</p> <p>Learners who have taken this course will have met all of the learning requirements required for HSCB Certification.</p>		
Required skills	<p>The learner shall meet the following requirements:</p> <ul style="list-style-type: none"> • Fundamental knowledge of electrical engineering 		
Language	<ul style="list-style-type: none"> • English 		
Schedule and duration	<u>Training module</u>	<u>Training type</u>	<u>Duration</u>
	1. Fundamentals of Electromechanical Switching Devices	Training course, exercises	1 hour
	2. HSCB Fundamentals	Training course, exercises, animations	1-2 hours
	3. HSCB Selection and Configuration	Training course, exercises	1 hour
	4. Quiz and Assessment	Examination	1 hour
	5. Feedback	Online form	0.5 hours
Certificate	Certificate of participation for DC High Speed Circuit Breaker (printable)		

