

Construction & Refurbishment of Bay Class
SAR Lifeboat Marine Infrastructures
Burin, NL
R.116548.001

2022-01-17

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- .2 Adhere to Canadian Electrical Code - current edition.

1.2 SUMMARY

- .1 Section Includes:
 - 1. Moulded Case Circuit Breakers.

1.3 PRODUCT DATA

- .1 Submit product data in accordance with Division 01.
- .2 Include time-current characteristic curves for breakers with ampacity of 300 Amp and over with interrupting capacity of 10,000 A symmetrical (rms) and over at system voltage.

PART 2 - PRODUCTS

2.1 BREAKERS GENERAL

- .1 Bolt-on moulded case circuit breaker: quick-make, quick-break type, for manual and automatic operation with temperature compensation for 40°C ambient.
- .2 Common-trip breakers: with single handle for multi-pole applications.
- .3 Magnetic instantaneous trip elements in circuit breakers to operate only when value of current reaches setting. Trip settings on breakers with adjustable trips to range from 3-8 times current rating.
- .4 Breakers to be GFCI with trip rating as

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indicated.

- .5 Circuit breakers for existing Service Entrance Board to have minimum IC rating as existing. To be coordinated on site.

2.2 THERMAL MAGNETIC BREAKERS DESIGN A

- .1 Moulded case circuit breaker to operate automatically by means of thermal and magnetic tripping devices to provide inverse time current tripping and instantaneous tripping for short circuit protection.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Install new circuit breakers in existing Service Entrance Board as indicated.