SIEMENS

## Data sheet 3RV1063-7CL10

Molded case circuit breaker 3RV1 for motor protection Standard switching capacity Rated current In = 160 A electronic release Short-circuit protection adjustable 6-13 x In Overload protection adjustable 0.4-1 x In, Class 10A-31 Icu = 120 kA at 400 V 3-pole, Screw terminal including phase barriers

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| **product brand name** | SIRIUS |
| **product designation** | molded-case circuit breaker |
| **design of the product** | for motor protection |
| **product type designation** | 3RV1 |
| **General technical data** | |
| product extension auxiliary switch | Yes |
| **surge voltage resistance rated value** | 8 000 V |
| protection class IP on the front | IP20 |
| **shock resistance** | 12g / 11 ms |
| mechanical service life (switching cycles) of the main contacts typical | 20 000 |
| **continuous current rated value** | 250 A |
| **Substance Prohibitance (Date)** | 08.01.2008 |
| **Ambient conditions** | |
| installation altitude at height above sea level maximum | 2 000 m |
| **ambient temperature** | |
| ● during operation | -25 ... +60 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| **Main circuit** | |
| **number of poles for main current circuit** | 3 |
| **adjustable current response value current of the current-dependent overload release** | 64 ... 160 A |
| **operating voltage** | |
| ● rated value | 690 V |
| ● rated value | 20 ... 690 V |
| ● at AC-3 rated value maximum | 690 V |
| operational current at AC-3 at 400 V rated value | 250 A |
| operating power at AC-3 | |
| ● at 400 V rated value | 90 kW |
| operating frequency at AC-3 maximum | 15 1/h |
| **Auxiliary circuit** | |
| **number of NC contacts for auxiliary contacts** | 0 |
| **number of NO contacts for auxiliary contacts** | 0 |
| number of CO contacts for auxiliary contacts | 0 |
| **Protective and monitoring functions** | |
| **product function** | |
| ● ground fault detection | No |
| ● phase failure detection | Yes |

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| **trip class** | CLASS 10, 20 and 30 adjustable |
| **design of the overload release** | electronic |
| **breaking capacity maximum short-circuit current (Icu)** | |
| ● at AC at 240 V rated value | 100 kA |
| ● at AC at 400 V rated value | 120 kA |
| ● at AC at 500 V rated value | 85 kA |
| ● at AC at 690 V rated value | 70 kA |
| response value current of instantaneous short-circuit trip unit | 2 080 A |
| **Short-circuit protection** | |
| **design of the short-circuit trip** | electronic |
| **design of the overcurrent release and short-circuit release** | electronic |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | any |
| **fastening method** | screw fixing |
| **height** | 205 mm |
| **width** | 105 mm |
| **depth** | 103.5 mm |
| required spacing with side-by-side mounting | |
| ● backwards | 0 mm |
| ● at the side | 0 mm |
| **Connections/ Terminals** | |
| **product component removable terminal for auxiliary and control circuit** | No |
| **type of electrical connection** | |
| ● for main current circuit | screw-type terminals |
| ● for auxiliary and control circuit | screw-type terminals |
| **arrangement of electrical connectors for main current circuit** | front side |
| **Safety related data** | |
| **touch protection against electrical shock** | finger-safe |

**Certificates/ approvals**

| General Product Approval | Declaration of Conformity | Test Certificates | Marine / Shipping |
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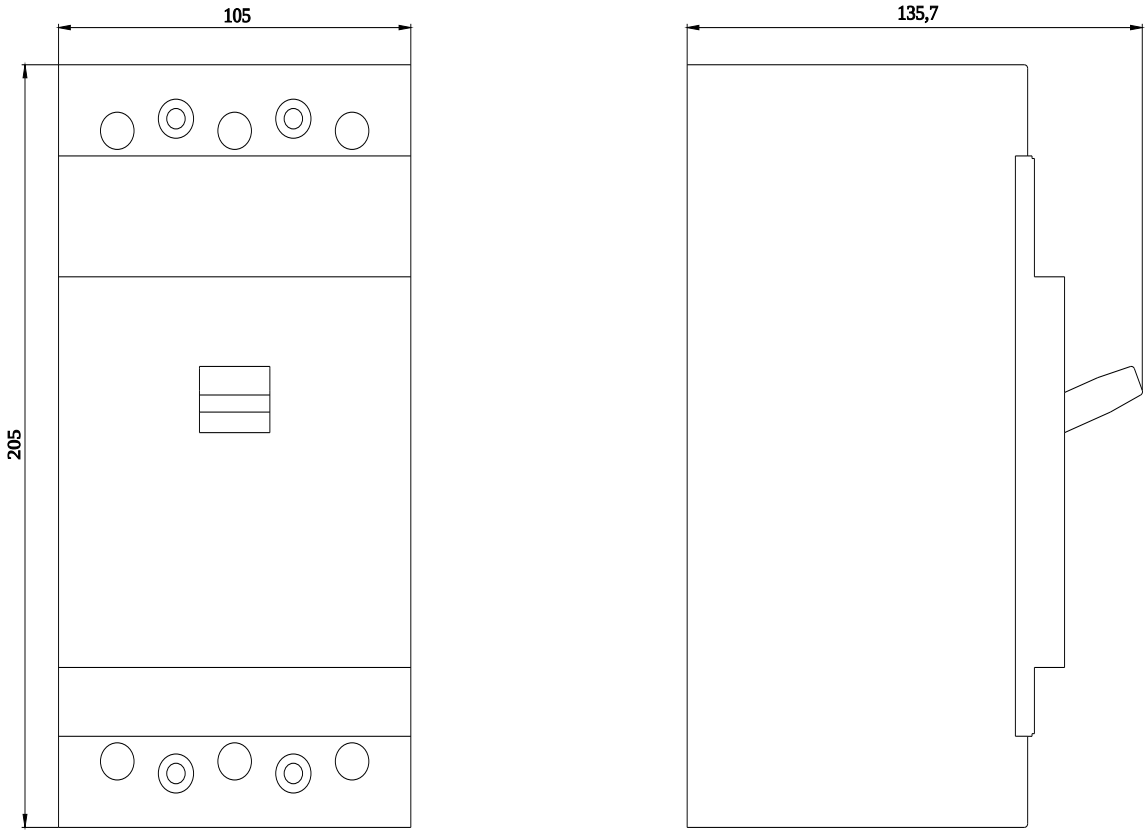
| Marine / Shipping | other |
|---|---|

| other | Railway |
|---|---|

**Further information**

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