# 140GH2F4D12

**Allen-Bradley 140G MCCB H Frame 36kA 4P 125A Adjustable Thermal Magnetic**




| | |
|---|---|
| **Component type** | Power switching circuit breaker |
| **Range** | Moulded Case Circuit Breaker |
| **Model** | N/A |
| **Product status** | Existing |

The Allen Bradley motor protection circuit breakers offer a reliable solution with both short-circuit and overload protection for individual motor loads with high interrupt ratings for 2 and 3 pole devices. Ideal for motor starting and motor protection applications. Connecting modules are available and have been combination short-circuit tested with the Allen Bradley 100-E contactors.

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|---|---|---|
| **ELECTRICAL** | Rated current In | 125 A |
| | Number of poles | 4 |
| | Max. rated operation voltage Ue AC | 690 V |
| | Rated ultimate short-circuit breaking capacity Icu at 415 V, 50 Hz | 36 kA |
| | Type of protection trip unit | Thermal/magnetic release |
| | Trip curve | Adj. thermal, adj. magnetic |
| | Frame size rating | 160 A |
| | Long time overload protection adjustment range | 88-125 A |
| | Instantaneous protection adjustment range | 625-1250 A |
| | Rated frequency | 50-60 Hz |
| | Rated insulation voltage Ui | 1000 V |
| | Suitable for isolation | Yes |
| | Rated short circuit breaking capacity, Icu 690V AC | 10 kA |
| | Rated short circuit breaking capacity, Ics 690V AC | 10 kA |
| | Rated impulse withstand voltage Uimp | 8 kV |
| | Reverse connection of supply possible | Yes |
| | Electrical life at Un, In (service cycles) | 8000 cycles |
| | Power loss | 45.6 W |
| **MECHANICAL** | DIN rail (top hat rail) mounting optional | Yes |
| | Mechanical life (service cycles) | 25000 cycles |
| **DIMENSIONS** | Height | 130 mm |
| | Width | 120 mm |
| | Pole connection pitch | 30 mm |
| | Built-in depth | 82.5 mm |



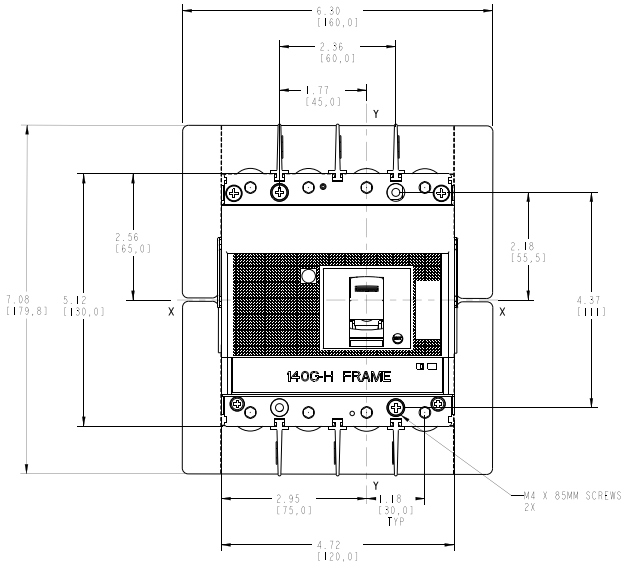
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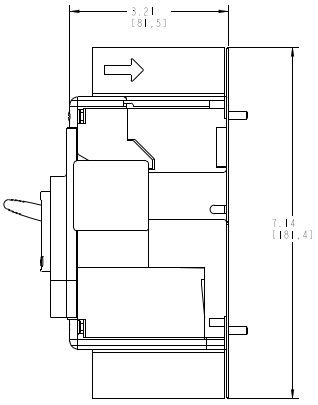
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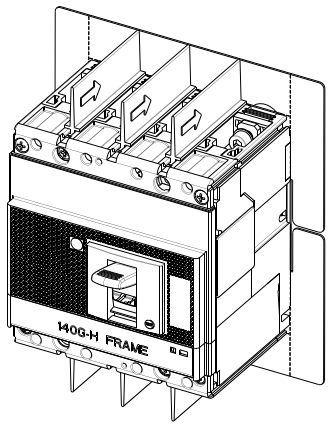
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| | | |
|---|---|---|
| **DIMENSIONS** | Depth (toggle included) | 116 mm |
| | Weight | 1.6 kg |
| **ENVIRONMENT** | Rated surrounding temperature without derating | 40 °C |
| | Maximum operating temperature | 75 °C |
| | Storage temperature | -40…80 °C |
| | Max. altitude before derating | 2000 m |

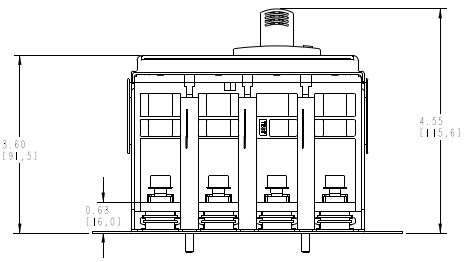
## DIMENSIONAL DIAGRAM



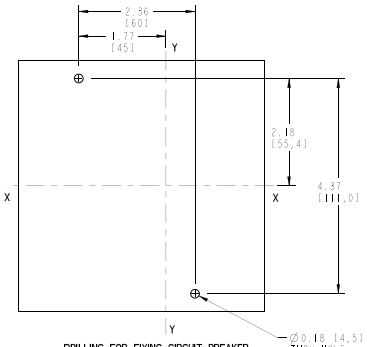




ISOMETRIC VIEW




SCALE 1:1




DRILLING FOR FIXING CIRCUIT BREAKER

SCALE 1:1





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