

- 37** The battery of a car has an internal resistance of $0.10\,\Omega$ and an electromotive force of $12\,\text{V}$. When the battery is connected to the starter motor, the potential difference across the battery terminals is $7.0\,\text{V}$.

What is the current supplied to the starter motor?

- A** $50\,\text{A}$ **B** $70\,\text{A}$ **C** $120\,\text{A}$ **D** $190\,\text{A}$