

Easy

Deputy Executive Engineer (Electrician) 2026

Gujarat Public Service Commission / Assistant Engineer (Electrical)

Regarding MCCBs (Molded Case Circuit Breakers), consider the following: 1. They have adjustable trip settings for current and time delay. 2. They are typically rated

A

1 and 2 only

B

1 and 3 only

C

2 and 3 only

D

1, 2 and 3**Correct**

Correct Answer: D

Full Detailed Explanation

Correct Answer: D - 1, 2 and 3 Quick Concept Explanation MCCBs provide switching, isolation and overcurrent protection for higher-current circuits than typical MCBs. Many have adjustable long-time/instantaneous or electronic trip settings. Key relation: Trip settings must coordinate with cable ampacity and downstream protection.Exam focus: MCCB trip adjustability is a major distinction from many small MCBs. Common trap: Device frame rating and actual trip setting are not the same thing. Statement-wise Verification Statement 1 - Correct.They have adjustable trip settings for current and time delay.Many have adjustable long-time/instantaneous or electronic trip settings. Statement 2 - Correct.They are typically rated for currents up to 2500A.MCCBs provide switching, isolation and overcurrent protection for higher-current circuits than typical MCBs. Statement 3 - Correct.They are used for both switching and protection of circuits.MCCBs provide switching, isolation and overcurrent protection for higher-current circuits than typical MCBs. Core Concept MCCBs provide switching, isolation and overcurrent protection for higher-current circuits than typical MCBs. Many have adjustable long-time/instantaneous or electronic trip settings. Product ranges extend into the kiloampere current class, with frames around 2500 A available in common industrial families. Formula / Key Relationship Trip settings