

Bulletin 140G
Molded Case Circuit Breakers
Accessories

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Bulletin 1494V Variable Depth Flange-Mounted Circuit Breaker Operating Mechanism

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Internal Electrical Accessories

Auxiliary/Alarm Contact (AX/AL)

Auxiliary and alarm contacts are supplied in multiple variations for customer application.

- Auxiliary Contacts (AX) : Indicate ON/OFF status of the MCCB.
- Alarm Contacts (AL): Indicate trip status of the MCCB. Alarm trip can be initiated by pressing the test button on the molded case circuit breaker, a trip due to overcurrent, short circuit; or trip due to residual current, shunt, or undervoltage release signals.
- Thermal Trip Contacts (TU): Trips only when the MCCB has detected an overcurrent, short-circuit, or protection trip. H- and J-Frame MCCBs have a button to test this feature. Available only for H, J, N, NS, and R frames.

These contacts are installed by removing the MCCB cover and accessing right-side pockets within the breaker with snap-in mounting provisions. Frames G...M are supplied with pig tail wiring, with each terminal wire marked. Frames N, NS, and R are wired internal to the breaker and are terminated for connection using a 3-pin quick connector.

| Description | Designation | Diagram | Frame Size | Cat. No. |
|--|------------------------|----------|------------|--------------------|
| (1) TU Alarm Contact 250V | TU AL | C | H, J | 140G-H-EA1TA |
| (1) Auxiliary (1) Alarm Contact 250V | AX2/AL1 | D | G, H, I, J | 140G-G-EA1R1A |
| (2) Auxiliary (1) Alarm Contact 250V | AX1/AX2/AL1 | E | G, H, I, J | 140G-G-EA2R1A |
| (3) Auxiliary (1) Alarm Contact 250V | AX1/AX2/AX3/AL1 | F | H, I, J | 140G-H-EA3R1A |
| (3) Auxiliary (2) Alarm Contact 250V | AX1/AX2/AX3/AL1/AL2 | G | H, J | 140G-H-EA3R2A |
| (2) Auxiliary (2) Alarm (1) TU AL Contact 250V | AX2/AX3/AL1/AL2/TU AL | H | H, J | 140G-H-EA2R2TA |
| (1) Auxiliary Contact 250V | AX2 | A | G, H, I, J | 140G-G-EA1A |
| (1) Auxiliary Contact 250V or (1) Alarm Contact 250V | AX2 | A | G, H, I, J | 140G-G-EA1AU★ |
| | AL1 | B | | |
| (1) Auxiliary Contact 24V | AX2 | A | G, H, I, J | 140G-G-EA1J★ |
| (1) TU Alarm Contact 24V | TU AL | C | H, J | 140G-H-EA1TJ |
| (1) Auxiliary (1) Alarm Contact 24V | AX2/AL1 | D | G, H, I, J | 140G-G-EA1R1J |
| (3) Auxiliary (1) Alarm Contact, 24V | AX1/AX2/AX3/AL1 | F | H, I, J | 140G-H-EA3R1J |
| (1) Auxiliary (1) Alarm Contact, 400V | AX2/AL1 | D | H, J | 140G-H-EA1R1B |
| (2) Auxiliary Contact 400V | AX1/AX2 | I | H, J | 140G-H-EA2B |
| (1) Auxiliary (1) Alarm Contact 250V | AX1/AL1 | J | K, M | 140G-K-EA1R1A |
| (3) Auxiliary (1) Alarm Contact 250V | AX1/AX2/AX3/AL1 | F | K, M | 140G-K-EA3R1A |
| (3) Auxiliary (1) Alarm Contact 24V | AX1/AX2/AX3/AL1 | F | K, M | 140G-K-EA3R1J |
| (1) Auxiliary (1) Alarm Contact 400V | AX1/AL1 | J | K, M | 140G-K-EA1R1B |
| (2) Auxiliary Contact 400V | AX1/AX2 | I | K, M | 140G-K-EA2B |
| (1) Auxiliary (1) Alarm Contact 24V | AX2/AL1 | D | N | 140G-N-EA1R1J |
| (2) Auxiliary Contact 24V | AX1/AX2 | I | N, NS | 140G-N-EA2J |
| (1) Auxiliary (1) Alarm Contact 400V | AX2/AL1 | D | N | 140G-N-EA1R1B |
| (2) Auxiliary Contact 400V | AX1/AX2 | I | N, NS | 140G-N-EA2B |
| (1) TU Alarm Contact 250V | TU AL | C | N, NS | 140G-N-EA1TA |
| (4) Auxiliary Contact 24V | AX1/AX2/AX3/AX4 | K | R | 140G-R-EA4J |
| (4) Auxiliary Contact 400V | AX1/AX2/AX3/AX4 | K | R | 140G-R-EA4A |
| (1) TU Alarm Contact 250V | TU AL | L | R | 140G-R-EA1TA |



Representative Photo

★ This contact is supplied with unmarked wires. Contact can function as either an auxiliary or alarm contact, depending on connection method.

Diagrams

