

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

