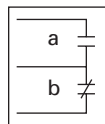


Auxiliary Switch

Auxiliary Switch



The Auxiliary Switch provides circuit breaker contact status information by monitoring the position of the molded cross bar which contains the moving contact arms. The auxiliary switch is used for remote indication and interlock system verification, and consists of one or two SPDT switches

housed in a plug-in module. Each SPDT switch has one "a" and one "b" contact. When the circuit breaker contacts are open, the "a" contact is open and the "b" contact is closed.

Table 12-391. F-Frame Electrical Rating Data ①②

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
125 ③	50/60 Hz	1	2500
600	50/60 Hz	6	
125	dc	0.50 ④	
250	dc	0.25 ④	

- ① Endurance: 6,000 electrical operations plus 4,000 mechanical operations.
- ② Pigtail wire size: 18 AWG (0.82 mm²).
- ③ For use in electronic circuit of 100 micro amperes and 15 Vdc minimum.
- ④ Non-inductive load.

Table 12-392. J-Frame Electrical Rating Data ⑤⑥

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ⑦	
250	dc	0.25 ⑦	

- ⑤ Endurance: 6,000 electrical operations plus 4,000 mechanical operations.
- ⑥ Pigtail wire size: 18 AWG (0.82 mm²).
- ⑦ Non-inductive load.

Table 12-393. K-Frame Electrical Rating Data ⑧⑨

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ⑩	
250	dc	0.25 ⑩	

- ⑧ Endurance: 5,000 electrical operations plus 1,000 mechanical operations.
- ⑨ Pigtail wire size: 18 AWG (0.82 mm²).
- ⑩ Non-inductive load.

Table 12-394. L- and M-Frames Electrical Rating Data ⑪

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ⑫	
250	dc	0.25 ⑫	

- ⑪ Pigtail wire size: 18 AWG (0.82 mm²).
- ⑫ Non-inductive load.

Table 12-395. N-Frame Electrical Rating Data ⑬⑭

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ⑮	
250	dc	0.25 ⑮	

- ⑬ Endurance: 3,000 electrical operations plus 1,000 mechanical operations.
- ⑭ Pigtail wire size: 18 AWG (0.82 mm²).
- ⑮ Non-inductive load.

Table 12-396. R-Frame Electrical Rating Data ⑯⑰

Maximum Voltage	Frequency	Maximum Current Amperes
600	50/60 Hz	6
125	dc	0.50 ⑱
250	dc	0.25 ⑱

- ⑯ Endurance: 500 electrical operations plus 2,500 mechanical operations.
- ⑰ Pigtail wire size: 18 AWG (0.82 mm²). Leads are red, black and blue.
- ⑱ Non-inductive load.

Table 12-397. G-Frame Auxiliary Switch (RH only)

Electrical Ratings			Contact Arrangement	Factory Suffix	Adder U.S. \$	Catalog Number ⑲⑳	Price U.S. \$
Volts	Frequency	Amperes					
240	50/60 Hz	6	1a/1b	A3		1288C74G03	
240	50/60 Hz	6	2a/2b	A6		1288C73G03	

- ⑲ Includes 24-inch external pigtail leads, 18 AWG (16-.010).
- ⑳ A maximum of two internal accessories may be mounted in a 3-pole circuit breaker. Suitable for mounting in right pole only of 2- or 3-pole breaker.

Auxiliary Switch

Table 12-402. L-, HMCP (L) and (M) Frames and Auxiliary Switch

Number of Sets of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Field Mounted			
		Connection Type and Location								Field Installation Kits ①			
		18-Inch (457.2 mm) Pigtail Leads						Terminal Block		Pigtail Leads		Terminal Block	
		Same Side		Rear ②		Opposite Side		Same Side		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$						
1	Left Right ②	A01 A05		A02 A06		A03 A07		A04 A08		A1X4PK A1X4PK		A1X4LTK A1X4RTK ③	
2	Left Right ②	A09 A12		A10 A13		— —		A11 A14		A2X4PK A2X4PK		A2X4LTK A2X4RTK ③	
3	Left Right ②	A18 A17		— —		— —		A15 A16		A3X4PK A3X4PK		A3X4LTK A3X4RTK ③	

- ① Listed with Underwriters Laboratories for field installation under E64983.
- ② Standard mounting location — leads exit rear of breaker.
- ③ Not for use on 4-pole circuit breaker.

Table 12-403. N-Frame and HMCP (N) Auxiliary Switch

Number of Sets of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Field Mounted			
		Connection Type and Location								Field Installation Kits ④			
		18-Inch (457.2 mm) Pigtail Leads						Terminal Block		Pigtail Leads		Terminal Block	
		Same Side		Rear ⑤		Opposite Side		Same Side		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$						
1	Left Right ⑤	A01 A05		A02 A06		A03 A07		A04 A08		A1X5PK A1X5PK		A1X5LTK A1X5RTK ⑥	
2	Left Right ⑤	A09 A12		A10 A13		— —		A11 A14		A2X5PK A2X5PK		A2X5LTK A2X5RTK ⑥	
3	Left Right ⑤	A18 A17		— —		— —		A15 A16		A3X5LPK A3X5RPK		A3X5LTK A3X5RTK ⑥	

- ④ Listed with Underwriters Laboratories for field installation under E64983.
- ⑤ Standard mounting location — leads exit rear of breaker.
- ⑥ Not for use on 4-pole circuit breaker.

Table 12-404. R-Frame Auxiliary Switch (RH Only)

Number of Contacts A and B	Factory Mounted		Field Mounted	
	Connection Type and Location		Field Installation Kits ⑦	
	18-Inch (457.2 mm) Pigtail Leads		Pigtail Leads	
	Suffix Number ⑧	Adder U.S. \$	Catalog Number ⑧	Price U.S.
2	A12		A2X6RPK	
4	A19		A4X6RPK	

- ⑦ Listed with Underwriters Laboratories for field installation under E64983.
- ⑧ A maximum of two auxiliary switches (any combination of 2a/2b or 4a/4b plug-in modules may be installed in a circuit breaker).

