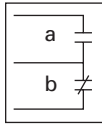


Auxiliary Switch



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

Electrical Ratings			Contact Arrangement	Factory Suffix	Adder U.S. \$	Catalog Number ⑱⑳	Price U.S. \$
Volts	Frequency	Amperes					
240	50/60 Hz	6	1a/1b	A3		1288C74G03	
240	50/60 Hz	6	2a/2b	A6		1288C73G03	

- ⑱ 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.

Table 12-393. K-Frame Electrical Rating Data ㉑㉒

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ㉓	
250	dc	0.25 ㉓	

- ㉑ Endurance: 5,000 electrical operations plus 1,000 mechanical operations.
- ㉒ Pigtail wire size: 18 AWG (0.82 mm²).
- ㉓ Non-inductive load.

Table 12-394. L- and M-Frames Electrical Rating Data ㉔

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ㉕	
250	dc	0.25 ㉕	

- ㉔ Pigtail wire size: 18 AWG (0.82 mm²).
- ㉕ Non-inductive load.

Table 12-395. N-Frame Electrical Rating Data ㉖㉗

Maximum Voltage	Frequency	Maximum Current Amperes	Dielectric Withstand Voltage
600	50/60 Hz	6	2500
125	dc	0.50 ㉘	
250	dc	0.25 ㉘	

- ㉖ Endurance: 3,000 electrical operations plus 1,000 mechanical operations.
- ㉗ Pigtail wire size: 18 AWG (0.82 mm²).
- ㉘ Non-inductive load.

Table 12-396. R-Frame Electrical Rating Data ㉙㉚

Maximum Voltage	Frequency	Maximum Current Amperes
600	50/60 Hz	6
125	dc	0.50 ㉛
250	dc	0.25 ㉛

- ㉙ Endurance: 500 electrical operations plus 2,500 mechanical operations.
- ㉚ Pigtail wire size: 18 AWG (0.82 mm²). Leads are red, black and blue.
- ㉛ Non-inductive load.

Auxiliary Switch

Table 12-398. F-Frame and HMCP (F) Auxiliary Switch

Number of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Factory Installation Kit ②			
		Connection Type and Location								Pigtail Leads			
		18-Inch (457.2 mm) Pigtail Leads								Terminal Block			
		Same Side				Rear ①				Opposite Side			
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
1	Left ③	A01		A02		A03		A04		A1X1PK		A1X1LTK	
	Right or Neutral ④	A15 ⑤		A16 ⑤		A17 ⑤		—		E1X1PK		—	
		A05		A06		A07		A08		A1X1PK		A1X1RTK ⑥	
2	Left ③	A09		A10		—		A11		A2X1LPK		A2X1LTK	
	Right or Neutral ④	A21 ⑤		A22 ⑤		—		—		E2X1LPK		—	
		A12		A13		—		A14		A2X1RPK		A2X1RTK ⑥	
		A23 ⑤		A24 ⑤		—		—		E2X1RPK		—	

- ① Standard pigtail lead exit location.
- ② Not listed with Underwriters Laboratories, for field installation.
- ③ Pigtail wire size: 18 AWG (0.82 mm²).
- ④ Not for use on F-Frame with electronic trip unit.
- ⑤ 125 volts (Max.), 50/60 Hz switch for use in electronic circuit of 100 micro amperes and 15 Vdc minimum.
- ⑥ Not for use on 4-pole circuit breakers.

Table 12-399. F-Frame with Electronic Trip Unit Auxiliary Switch ⑦

Number of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Factory Installation Kit ⑧			
		Connection Type and Location								Pigtail Leads			
		18-Inch (457.2 mm) Pigtail Leads								Terminal Block			
		Same Side				Rear				Opposite Side			
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
1	Right	A30		A31		A32		—		A1X1RPKFDE		—	

- ⑦ Only for use on 3-pole F-Frame breakers with electronic trip unit.
- ⑧ Not listed with Underwriters Laboratories, for field installation.

Table 12-400. J-Frame and HMCP (J) Auxiliary Switch

Number of Sets of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Field Mounted			
		Connection Type and Location								Field Installation Kits ⑩			
		18-Inch (457.2 mm) Pigtail Leads								Pigtail Leads			
		Same Side				Rear ⑪				Opposite Side			
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
1	Left	A01		A02		A03		A04		A1X2PK		A1X2LTK	
	Right ⑫	A05		A06		A07		A08		A1X2PK		A1X2RTK ⑬	
2	Left	A09		A10		—		A11		A2X2PK		A2X2LTK	
	Right ⑫	A12		A13		—		A14		A2X2PK		A2X2RTK ⑬	

- ⑩ Listed with Underwriters Laboratories for field installation or interchangeable trip unit breakers under E64983.
- ⑫ Standard mounting location — leads exit rear of breaker.
- ⑬ Not for use on 4-pole circuit breakers.

Table 12-401. K-Frame and HMCP (K) Auxiliary Switch

Number of Sets of Contacts A and B	Mounting Location (Pole)	Factory Mounted								Field Mounted			
		Connection Type and Location								Field Installation Kits ⑭			
		18-Inch (457.2 mm) Pigtail Leads								Pigtail Leads			
		Same Side				Rear ⑮				Opposite Side			
Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
1	Left	A01		A02		A03		A04		A1X3PK		A1X3LTK	
	Right ⑯	A05		A06		A07		A08		A1X3PK		A1X3RTK ⑰	
2	Left	A09		A10		—		A11		A2X3PK		A2X3LTK	
	Right ⑯	A12		A13		—		A14		A2X3PK		A2X3RTK ⑰	
3	Left	A18		—		—		A15		A3X3LPK		A3X3LTK	
	Right ⑯	A17		—		—		A16		A3X3RPK		A3X3RTK ⑰	

- ⑭ Listed with Underwriters Laboratories for field installation under E64983.
- ⑮ Standard mounting location — leads exit rear of breaker.
- ⑯ Breakers with K-Frame OPTIM 550 can only accept accessories in left pole.
- ⑰ Not for use on 4-pole circuit breaker.