

QUICKLAG — Bolt-On Ground Fault and Equipment Protectors

Bolt-On Types BAB, QBHW,
HBAX, HBAW

QUICKLAG Type BA 1-Pole

Product Description

- Built and listed to UL 489
- All products UL and CSA listed
- All products 15 – 100A are HACR rated
- Switching duty rated for 120V AC fluorescent light applications
- Dimension Sheets — FRED Index 206

Product Selection

Table 11-6. Breaker Catalog Numbers

Contin- uous Ampere Rating @ 40°C	1-Pole 120/240V AC		2-Pole 120/240V AC		240V AC		3-Pole 240V AC	
	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
QUICKLAG Type: BA 10,000 Ampere I.C. Thermal-Magnetic Breakers								
10	BAB1010	27.50	BAB2010	60.50	BAB2010H	156.00	BAB3010H	193.00
15	BAB1015 ①②	27.50	BAB2015	60.50	BAB2015H	156.00	BAB3015H	193.00
20	BAB1020 ①②	27.50	BAB2020	60.50	BAB2020H	156.00	BAB3020H	193.00
25	BAB1025	27.50	BAB2025	60.50	BAB2025H	156.00	BAB3025H	193.00
30	BAB1030	27.50	BAB2030	60.50	BAB2030H	156.00	BAB3030H	193.00
35	BAB1035	27.50	BAB2035	60.50	BAB2035H	156.00	BAB3035H	193.00
40	BAB1040	27.50	BAB2040	60.50	BAB2040H	156.00	BAB3040H	193.00
45	BAB1045	27.50	BAB2045	60.50	BAB2045H	156.00	BAB3045H	193.00
50	BAB1050	27.50	BAB2050	60.50	BAB2050H	156.00	BAB3050H	193.00
55	BAB1055	27.50	BAB2055	60.50	BAB2055H	156.00	BAB3055H	193.00
60	BAB1060	27.50	BAB2060	60.50	BAB2060H	156.00	BAB3060H	193.00
70	BAB1070	53.50	BAB2070	115.00	BAB2070H	206.00	BAB3070H	240.00
80	—	—	BAB2080	156.00	BAB2080H	239.00	BAB3080H	274.00
90	—	—	BAB2090	156.00	BAB2090H	239.00	BAB3090H	274.00
100	BAB1100	91.00	BAB2100	156.00	BAB2100H	239.00	BAB3100H	274.00
110	—	—	BAB2110	332.00	—	—	—	—
125	—	—	BAB2125	332.00	—	—	—	—

QUICKLAG Type: QBHW 22,000 Ampere I.C. Thermal-Magnetic Breakers

15	QBHW1015 ①	54.50	QBHW2015	117.00	QBHW2015H	215.00	QBHW3015H	289.00
20	QBHW1020 ①	54.50	QBHW2020	117.00	QBHW2020H	215.00	QBHW3020H	289.00
25	QBHW1025	54.50	QBHW2025	117.00	QBHW2025H	215.00	QBHW3025H	289.00
30	QBHW1030	54.50	QBHW2030	117.00	QBHW2030H	215.00	QBHW3030H	289.00
35	QBHW1035	54.50	QBHW2035	111.00	QBHW2035H	215.00	QBHW3035H	289.00
40	QBHW1040	54.50	QBHW2040	117.00	QBHW2040H	215.00	QBHW3040H	289.00
45	QBHW1045	54.50	QBHW2045	117.00	QBHW2045H	215.00	QBHW3045H	289.00
50	QBHW1050	54.50	QBHW2050	117.00	QBHW2050H	215.00	QBHW3050H	289.00
55	QBHW1055	54.50	QBHW2055	117.00	QBHW2055H	215.00	QBHW3055H	289.00
60	QBHW1060	54.50	QBHW2060	117.00	QBHW2060H	215.00	QBHW3060H	289.00
70	QBHW1070	72.50	QBHW2070	170.00	QBHW2070H	257.00	QBHW3070H	418.00
80	—	—	QBHW2080	253.00	QBHW2080H	290.00	QBHW3080H	418.00
90	—	—	QBHW2090	253.00	QBHW2090H	290.00	QBHW3090H	418.00
100	—	—	QBHW2100	253.00	QBHW2100H	290.00	QBHW3100H	448.00
110	—	—	QBHW2110	735.00	—	—	—	—
125	—	—	QBHW2125	735.00	—	—	—	—

QUICKLAG Type: HBAX 42,000 Ampere I.C. Thermal-Magnetic Breakers

15	HBAX1015 ①	77.00	HBAX2015	139.00	—	—	HBAX3015H	347.00
20	HBAX1020 ①	77.00	HBAX2020	139.00	—	—	HBAX3020H	347.00
25	HBAX1025	77.00	HBAX2025	139.00	—	—	HBAX3025H	347.00
30	HBAX1030	77.00	HBAX2030	139.00	—	—	HBAX3030H	347.00
35	HBAX1035	77.00	HBAX2035	139.00	—	—	HBAX3035H	347.00
40	HBAX1040	77.00	HBAX2040	139.00	—	—	HBAX3040H	347.00
45	HBAX1045	77.00	HBAX2045	139.00	—	—	HBAX3045H	347.00
50	HBAX1050	77.00	HBAX2050	139.00	—	—	HBAX3050H	347.00
55	HBAX1055	77.00	HBAX2055	139.00	—	—	HBAX3055H	347.00
60	HBAX1060	77.00	HBAX2060	139.00	—	—	HBAX3060H	347.00
70	HBAX1070	124.00	HBAX2070	211.00	—	—	HBAX3070H	424.00
80	—	—	HBAX2080	295.00	—	—	HBAX3080H	590.00
90	—	—	HBAX2090	295.00	—	—	HBAX3090H	590.00
100	—	—	HBAX2100	295.00	—	—	HBAX3100H	530.00

QUICKLAG Type: HBAW 65,000 Ampere I.C. Thermal-Magnetic Breakers

15	HBAW1015 ①	87.50	HBAW2015	200.00	—	—	HBAW3015H	350.00
20	HBAW1020 ①	87.50	HBAW2020	200.00	—	—	HBAW3020H	350.00
25	HBAW1025	87.50	HBAW2025	200.00	—	—	—	—
30	HBAW1030	87.50	HBAW2030	200.00	—	—	—	—

① Switching duty rated for 120V AC fluorescent light applications.

② For special low-magnetic breaker order BAB1015L1 or BAB1020L1.

Technical Data and Specifications

Table 11-7. Shipping Data

Number of Poles	Carton Quantity	Approximate Weight Lbs. (Kg)	Dimensions in Inches (mm)	Time/Current Curves
1	24	9.00 (4.1)	12.50 x 7.50 x 5.00 (317.5 x 190.5 x 127.0)	FRED 350077
2	12	9.00 (4.1)	12.50 x 7.50 x 5.00 (317.5 x 190.5 x 127.0)	FRED 350177
3	8	9.00 (4.1)	12.50 x 7.50 x 5.00 (317.5 x 190.5 x 127.0)	FRED 350277

Note: Dimension Sheets — FRED Index 206

Discount Symbol CB-1

QUICKLAG

Quick Reference

Tables 11-1. QUICKLAG Industrial Circuit Breakers ① Plug-In, Bolt-On, Cable-In/Cable-Out (Continued)

Circuit Breaker Type	Circuit Breaker Type Code	Continuous Ampere Rating @ 40°C	Number of Poles	Volts		Federal Spec. W-C-375b	Interrupting Ratings rms Symmetrical Amperes						Page Number
				AC	DC		AC Ratings Volts			DC ②			
							120	120/240	240	24-48	62.5	80	
BAB	B	10 – 70	1	120/240	24, 48, 62.5	10a, 11a, 12a	—	10,000	—	5,000	③	—	11-6
BAB		10 – 125	2	120/240	24, 48, 80	10a, 12a	—	10,000	—	5,000	5,000	5,000	11-6
BAB		10 – 100	2, 3	240	—	10b, 11b, 12b	—	—	10,000	—	—	—	11-6
BABR	B	15 – 30	1	120	—	—	10,000	—	—	—	—	—	11-13
BABR		15 – 30	2	120/240	—	—	—	10,000	—	—	—	—	11-13
QBHW	B	15 – 70	1	120/240	24, 48, 62.5	14a	—	22,000	—	5,000	③	—	11-6
QBHW		15 – 125	2	120/240	24, 48, 80	14a	—	22,000	—	5,000	5,000	5,000	11-6
QBHW		15 – 100	2, 3	240	—	14b	—	—	22,000	—	—	—	11-6
HBAX	B	15 – 70	1	120/240	24, 48, 62.5	—	—	42,000	—	5,000	③	—	11-6
HBAX		15 – 100	2	120/240	24, 48, 80	—	—	42,000	—	5,000	5,000	5,000	11-6
HBAX		15 – 100	3	240	—	—	—	—	42,000	—	—	—	11-6
HBAW	B	15 – 30	1	120/240	24, 48, 62.5	15a	—	65,000	—	5,000	②	—	11-6
HBAW		15 – 30	2	120/240	24, 48, 80	15a	—	65,000	—	5,000	5,000	5,000	11-6
HBAW		15 – 20	3	240	—	15b	—	—	65,000	—	—	—	11-6
QBGF	B, GF	15 – 40	1	120	—	10a, 11a, 12a	10,000	—	—	—	—	—	11-7
QBGF		15 – 50	2	120/240	—	10a, 11a, 12a	—	10,000	—	—	—	—	11-7
QBHGF	B, GF	15 – 30	1	120	—	10a, 11a, 12a	22,000	—	—	—	—	—	11-7
QBHGF		15 – 30	2	120/240	—	10a, 11a, 12a	—	22,000	—	—	—	—	11-7
QBGFEP	B, GFEP	15 – 40	1	120	—	—	10,000	—	—	—	—	—	11-7
QBGFEP		15 – 50	2	120/240	—	—	—	10,000	—	—	—	—	11-7
QBHGFEP	B, GFEP	15 – 30	1	120	—	—	22,000	—	—	—	—	—	11-7
QBHGFEP		15 – 30	2	120/240	—	—	22,000	22,000	—	—	—	—	11-7
QC	C	10 – 70	1	120/240	24, 48, 62.5	10a, 11a, 12a	—	10,000	—	5,000	③	—	11-9
QC		10 – 100	2	120/240	24, 48, 80	10a, 12a	—	10,000	—	5,000	5,000	5,000	11-9
QC		10 – 100	2, 3, 4	240	—	10b, 11b, 12b	—	—	10,000	—	—	—	11-9
QCF	C	10 – 60	1, 2	120/240	24, 48, 62.5	—	10,000	10,000	—	3,000	③	—	11-10
QCF		15 – 20	1, 2	120/240	24, 48, 62.5	—	22,000	—	—	3,000	3,000	—	11-10
QCF		15 – 30	2, 3	240	24, 48, 62.5	—	—	10,000	—	3,000	3,000	—	11-10
QCR		10 – 60	1, 2	120/240	24, 48, 62.5	—	10,000	10,000	—	3,000	2,000	—	11-10
QCR		15 – 20	1, 2	120/240	24, 48, 62.5	—	22,000	—	—	3,000	3,000	—	11-10
QCR		15 – 30	2, 3	240	24, 48, 62.5	—	—	10,000	—	3,000	3,000	—	11-10
QCHW	C	15 – 70	1	120/240	24, 48, 62.5	14a	—	22,000	—	5,000	③	—	11-9
QCHW		15 – 100	2	120/240	24, 48, 80	14a	—	22,000	—	5,000	5,000	5,000	11-9
QCHW		15 – 100	2, 3	240	—	14b	—	—	22,000	—	—	—	11-9
QHCX	C	15 – 70	1	120/240	24, 48, 62.5	—	—	42,000	—	5,000	③	—	11-9
QHCX		15 – 100	2	120/240	24, 48, 80	—	—	42,000	—	5,000	5,000	5,000	11-9
QHCX		15 – 100	3	240	—	—	—	—	42,000	—	—	—	11-9
QHCW	C	15 – 30	1	120/240	24, 48, 62.5	15a	—	65,000	—	5,000	③	—	11-9
QHCW		15 – 30	2	120/240	24, 48, 80	15a	—	65,000	—	5,000	5,000	5,000	11-9
QHCW		15 – 20	3	240	—	15b	—	—	65,000	—	—	—	11-9
QCGF	C, GF	15 – 40	1	120	—	—	10,000	—	—	—	—	—	11-13
QCGF		15 – 50	2	120/240	—	—	—	10,000	—	—	—	—	11-13
QCHGF	C, GF	15 – 30	1	120	—	—	22,000	—	—	—	—	—	11-13
QCHGF		15 – 30	2	120/240	—	—	—	22,000	—	—	—	—	11-13
QCGFEP	C, GFEP	15 – 40	1	120	—	—	10,000	—	—	—	—	—	11-13
QCGFEP		15 – 50	2	120/240	—	—	—	10,000	—	—	—	—	11-13
QCHGFEP	C, GFEP	15 – 30	1	120	—	—	22,000	—	—	—	—	—	11-13
QCHGFEP		15 – 30	2	120/240	—	—	—	22,000	—	—	—	—	11-13

① QUICKLAG circuit breakers are suitable for application in relative humidity 0-95% non-condensing.

② Two-pole DC interrupting ratings based on 2 poles connected in series.

③ 62.5V AC interrupting rating is 3800 AIC 10-50 amperes and 2500 AIC 55-100 amperes continuous.

Circuit Breaker Type Codes: **P** Plug-In; **B** Bolt-On; **C** Cable-In/Cable-Out; **GF** Ground Fault, 5 mA; **GFEP** Ground Fault, 30 mA.For Types GHBS, GBHS and BABR Solenoid-Operated, Remote-Controlled Circuit Breakers, see **Pages 11-14 - 11-15**.For Types WMS and SPHM Supplementary Protectors, see **Pages 11-23 and 11-34**.