



**LOW VOLTAGE POWER CIRCUIT BREAKERS  
TYPES AND ORDERING INSTRUCTIONS**

**BASIC BREAKER MANUALLY OPERATED, Includes:**

“Expanded range” overcurrent protective device on each pole. (Type OD-3 dual magnetic overcurrent is standard and included in catalogue numbers.)

Manually charged stored energy (quick-make) closing mechanism with:

- Position indicator.
- Closing handle.
- Trip button.
- Provision for locking in open position (up to 3 padlocks).
- Automatic trip indicator.

**STATIONARY SWITCHBOARD BREAKER, Includes:**

Basic breaker manually or electrically operated.

**INDIVIDUALLY ENCLOSED BREAKER, Includes:**

Basic breaker manually or electrically operated.  
Enclosure with pullbox for wall mounting.  
Disconnect devices for pullout construction.  
Solderless cable connectors.  
Cover interlock.

**ONE-HIGH DRAWOUT UNIT, Includes:**

Removable element, manually or electrically operated.  
Drawout cradle with stationary and control wiring disconnect devices.  
One-high cubicle and door.

**BASIC BREAKER ELECTRICALLY OPERATED, Includes:**

“Expanded range” overcurrent protective device on each pole. (Type OD-3 dual magnetic overcurrent is standard and included in catalogue numbers.)

Motor charged stored energy (quick-make) closing mechanism with:

- Position indicator.
- Closing button.
- Trip button.
- Provision for locking in open position (up to 3 padlocks).
- Automatic trip indicator.
- Electric charging motor.
- Control relays and limit switches.
- Shunt trip for remote tripping.
- 4-contact auxiliary switch, 2 contacts for customer’s use).
- Maintenance handle.

**ONE-HIGH REMOVABLE ELEMENT, Includes:**

Basic breaker manually or electrically operated.  
Breaker disconnect devices (for drawout construction).  
Racking mechanism.  
Control wiring disconnect devices (when required).  
Interlock to prevent removal of breaker when in closed position.

**ORDERING INSTRUCTIONS**

1. Refer to tables in Section 1605, and give the following information:

.....(quantity); ..... pole circuit breaker  
..... mounting; type.....  
..... operation; control voltage.....  
..... continuous ampere rating; catalog number.....  
Price..... each

Example:—

1 (quantity); three pole circuit breaker  
Switchboard mounting; type K-1600  
Electrical operation; control voltage 115 volt, 60 cycle\*  
1200 continuous ampere rating; catalog number 1231-11-316  
Price \$1775 each

\* Control voltage must be given for closing motor, shunt trip, and any auxiliary devices.

2. Catalog numbers on order acknowledgement will change at factory when additional devices or accessories are ordered.
3. In addition to completely specifying the required breaker, ordering information should include any unusual conditions concerning application, the required shipping date, the method of shipment desired, and any other considerations that are applicable.



**3  
POLE  
ONLY**

**K LINE**

**600 VOLTS AC OR 250 VOLTS DC**

	STATIONARY SWITCHBOARD BREAKER	ONE HIGH COMPLETE WITH BREAKER	ONE HIGH REMOVABLE ELEMENT	INDIVIDUALLY ENCLOSED BREAKER		
				GENERAL PURPOSE	DUST PROOF	WEATHER PROOF
<b>K-225 3 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$275.</b>	Net Price <b>\$630.</b>	Net Price <b>\$385.</b>	Net Price <b>\$385.</b>	Net Price <b>\$420.</b>	Net Price <b>\$535.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
15-20	1211-00-302	1215-00-302-H	1215-00-302	1213-00-302-G	1213-00-302-D	1215-00-302-W
30-40	1211-00-304	1215-00-304-H	1215-00-304	1213-00-304-G	1213-00-304-D	1215-00-304-W
50-70	1211-00-307	1215-00-307-H	1215-00-307	1213-00-307-G	1213-00-307-D	1215-00-307-W
90-125	1211-00-312	1215-00-312-H	1215-00-312	1213-00-312-G	1213-00-312-D	1215-00-312-W
150-225	1211-00-322	1215-00-322-H	1215-00-322	1213-00-322-G	1213-00-322-D	1215-00-322-W

<b>K-225 3 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$465.</b>	Net Price <b>\$820.</b>	Net Price <b>\$575.</b>	Net Price <b>\$575.</b>	Net Price <b>\$610.</b>	Net Price <b>\$725.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
15-20	1211-11-302	1215-11-302-H	1215-11-302	1213-11-302-G	1213-11-302-D	1215-11-302-W
30-40	1211-11-304	1215-11-304-H	1215-11-304	1213-11-304-G	1213-11-304-D	1215-11-304-W
50-70	1211-11-307	1215-11-307-H	1215-11-307	1213-11-307-G	1213-11-307-D	1215-11-307-W
90-125	1211-11-312	1215-11-312-H	1215-11-312	1213-11-312-G	1213-11-312-D	1215-11-312-W
150-225	1211-11-322	1215-11-322-H	1215-11-322	1213-11-322-G	1213-11-322-D	1215-11-322-W

<b>K-600 3 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$600.</b>	Net Price <b>\$990.</b>	Net Price <b>\$745.</b>	Net Price <b>\$730.</b>	Net Price <b>\$785.</b>	Net Price <b>\$920.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
30-40	1221-00-304	1225-00-304-H	1225-00-304	1223-00-304-G	1223-00-304-D	1225-00-304-W
50-70	1221-00-307	1225-00-307-H	1225-00-307	1223-00-307-G	1223-00-307-D	1225-00-307-W
90-125	1221-00-312	1225-00-312-H	1225-00-312	1223-00-312-G	1223-00-312-D	1225-00-312-W
150-225	1221-00-322	1225-00-322-H	1225-00-322	1223-00-322-G	1223-00-322-D	1225-00-322-W
250-400	1221-00-340	1225-00-340-H	1225-00-340	1223-00-340-G	1223-00-340-D	1225-00-340-W
500-600	1221-00-360	1225-00-360-H	1225-00-360	1223-00-360-G	1223-00-360-D	1225-00-360-W

<b>K-600 3 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$840.</b>	Net Price <b>\$1230.</b>	Net Price <b>\$985.</b>	Net Price <b>\$970.</b>	Net Price <b>\$1025.</b>	Net Price <b>\$1160.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
30-40	1221-11-304	1225-11-304-H	1225-11-304	1223-11-304-G	1223-11-304-D	1225-11-304-W
50-70	1221-11-307	1225-11-307-H	1225-11-307	1223-11-307-G	1223-11-307-D	1225-11-307-W
90-125	1221-11-312	1225-11-312-H	1225-11-312	1223-11-312-G	1223-11-312-D	1225-11-312-W
150-225	1221-11-322	1225-11-322-H	1225-11-322	1223-11-322-G	1223-11-322-D	1225-11-322-W
250-400	1221-11-340	1225-11-340-H	1225-11-340	1223-11-340-G	1223-11-340-D	1225-11-340-W
500-600	1221-11-360	1225-11-360-H	1225-11-360	1223-11-360-G	1223-11-360-D	1225-11-360-W

<b>K-1600 3 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$1275.</b>	Net Price <b>\$1785.</b>	Net Price <b>\$1500.</b>	Net Price <b>\$1575.</b>	Net Price <b>\$1625.</b>	Net Price <b>\$1925.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
150-225	1231-00-322	1235-00-322-H	1235-00-322	1233-00-322-G	1233-00-322-D	1235-00-322-W
250-400	1231-00-340	1235-00-340-H	1235-00-340	1233-00-340-G	1233-00-340-D	1235-00-340-W
500-800	1231-00-380	1235-00-380-H	1235-00-380	1233-00-380-G	1233-00-380-D	1235-00-380-W
1000-1600	1231-00-316	1235-00-316-H	1235-00-316	1233-00-316-G	1233-00-316-D	1235-00-316-W

<b>K-1600 3 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$1775.</b>	Net Price <b>\$2285.</b>	Net Price <b>\$2000.</b>	Net Price <b>\$2075.</b>	Net Price <b>\$2125.</b>	Net Price <b>\$2425.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
150-225	1231-11-322	1235-11-322-H	1235-11-322	1233-11-322-G	1233-11-322-D	1235-11-322-W
250-400	1231-11-340	1235-11-340-H	1235-11-340	1233-11-340-G	1233-11-340-D	1235-11-340-W
500-800	1231-11-380	1235-11-380-H	1235-11-380	1233-11-380-G	1233-11-380-D	1235-11-380-W
1000-1600	1231-11-316	1235-11-316-H	1235-11-316	1233-11-316-G	1233-11-316-D	1235-11-316-W



**2  
POLE  
ONLY**

**K LINE**

**600 VOLTS AC OR 250 VOLTS DC**

	STATIONARY SWITCHBOARD BREAKER	ONE HIGH COMPLETE WITH BREAKER	ONE HIGH REMOVABLE ELEMENT	INDIVIDUALLY ENCLOSED BREAKER		
				GENERAL PURPOSE	DUST PROOF	WEATHER PROOF
<b>K-225 2 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$245.</b>	Net Price <b>\$565.</b>	Net Price <b>\$345.</b>	Net Price <b>\$355.</b>	Net Price <b>\$390.</b>	Net Price <b>\$505.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
15-20	1212-00-302	1216-00-302-H	1216-00-302	1214-00-302-G	1214-00-302-D	1216-00-302-W
30-40	1212-00-304	1216-00-304-H	1216-00-304	1214-00-304-G	1214-00-304-D	1216-00-304-W
50-70	1212-00-307	1216-00-307-H	1216-00-307	1214-00-307-G	1214-00-307-D	1216-00-307-W
90-125	1212-00-312	1216-00-312-H	1216-00-312	1214-00-312-G	1214-00-312-D	1216-00-312-W
150-225	1212-00-322	1216-00-322-H	1216-00-322	1214-00-322-G	1214-00-322-D	1216-00-322-W
<b>K-225 2 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$435.</b>	Net Price <b>\$740.</b>	Net Price <b>\$520.</b>	Net Price <b>\$545.</b>	Net Price <b>\$580.</b>	Net Price <b>\$695.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
15-20	1212-11-302	1216-11-302-H	1216-11-302	1214-11-302-G	1214-11-302-D	1216-11-302-W
30-40	1212-11-304	1216-11-304-H	1216-11-304	1214-11-304-G	1214-11-304-D	1216-11-304-W
50-70	1212-11-307	1216-11-307-H	1216-11-307	1214-11-307-G	1214-11-307-D	1216-11-307-W
90-125	1212-11-312	1216-11-312-H	1216-11-312	1214-11-312-G	1214-11-312-D	1216-11-312-W
150-225	1212-11-322	1216-11-322-H	1216-11-322	1214-11-322-G	1214-11-322-D	1216-11-322-W
<b>K-600 2 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$530.</b>	Net Price <b>\$890.</b>	Net Price <b>\$670.</b>	Net Price <b>\$660.</b>	Net Price <b>\$715.</b>	Net Price <b>\$850.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
30-40	1222-00-304	1226-00-304-H	1226-00-304	1224-00-304-G	1224-00-304-D	1226-00-304-W
50-70	1222-00-307	1226-00-307-H	1226-00-307	1224-00-307-G	1224-00-307-D	1226-00-307-W
90-125	1222-00-312	1226-00-312-H	1226-00-312	1224-00-312-G	1224-00-312-D	1226-00-312-W
150-225	1222-00-322	1226-00-322-H	1226-00-322	1224-00-322-G	1224-00-322-D	1226-00-322-W
250-400	1222-00-340	1226-00-340-H	1226-00-340	1224-00-340-G	1224-00-340-D	1226-00-340-W
500-600	1222-00-360	1226-00-360-H	1226-00-360	1224-00-360-G	1224-00-360-D	1226-00-360-W
<b>K-600 2 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$770.</b>	Net Price <b>\$1105.</b>	Net Price <b>\$885.</b>	Net Price <b>\$900.</b>	Net Price <b>\$950.</b>	Net Price <b>\$1090.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
30-40	1222-11-304	1226-11-304-H	1226-11-304	1224-11-304-G	1224-11-304-D	1226-11-304-W
50-70	1222-11-307	1226-11-307-H	1226-11-307	1224-11-307-G	1224-11-307-D	1226-11-307-W
90-125	1222-11-312	1226-11-312-H	1226-11-312	1224-11-312-G	1224-11-312-D	1226-11-312-W
150-225	1222-11-322	1226-11-322-H	1226-11-322	1224-11-322-G	1224-11-322-D	1226-11-322-W
250-400	1222-11-340	1226-11-340-H	1226-11-340	1224-11-340-G	1224-11-340-D	1226-11-340-W
500-600	1222-11-360	1226-11-360-H	1226-11-360	1224-11-360-G	1224-11-360-D	1226-11-360-W
<b>K-1600 2 POLE MANUALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$1135.</b>	Net Price <b>\$1605.</b>	Net Price <b>\$1350.</b>	Net Price <b>\$1435.</b>	Net Price <b>\$1485.</b>	Net Price <b>\$1785.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
150-225	1232-00-322	1236-00-322-H	1236-00-322	1234-00-322-G	1234-00-322-D	1236-00-322-W
250-400	1232-00-340	1236-00-340-H	1236-00-340	1234-00-340-G	1234-00-340-D	1236-00-340-W
500-800	1232-00-380	1236-00-380-H	1236-00-380	1234-00-380-G	1234-00-380-D	1236-00-380-W
1000-1600	1232-00-316	1236-00-316-H	1236-00-316	1234-00-316-G	1234-00-316-D	1236-00-316-W
<b>K-1600 2 POLE ELECTRICALLY OPERATED</b>						
Continuous Ampere Ranges	Net Price <b>\$1635.</b>	Net Price <b>\$2055.</b>	Net Price <b>\$1800.</b>	Net Price <b>\$1935.</b>	Net Price <b>\$1985.</b>	Net Price <b>\$2285.</b>
	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
150-225	1232-11-322	1236-11-322-H	1236-11-322	1234-11-322-G	1234-11-322-D	1236-11-322-W
250-400	1232-11-340	1236-11-340-H	1236-11-340	1234-11-340-G	1234-11-340-D	1236-11-340-W
500-800	1232-11-380	1236-11-380-H	1236-11-380	1234-11-380-G	1234-11-380-D	1236-11-380-W
1000-1600	1232-11-316	1236-11-316-H	1236-11-316	1234-11-316-G	1234-11-316-D	1236-11-316-W



Additions	Net Prices	
	K-225 or K-600	K-1600 only
4 Contact Auxiliary Switch .....	\$ 45.00	\$ 45.00
Alarm Switch .....	70.00	70.00
Overcurrent Lockout .....	50.00	50.00
Combination Alarm Switch and Overcurrent Lockout .....	85.00	85.00
Undervoltage—Instantaneous (State . . . . . V . . . . . CY) ‡	65.00	75.00
Undervoltage—Time Delay (State . . . . . V . . . . . CY)	105.00	115.00
Shunt Trip (. . . . . V . . . . . CY) with 4 Auxiliary Contacts .....	70.00	80.00
Formed Door—Standard .....	35.00	40.00
Flat Sheet —Standard .....	20.00	25.00
Neutral Stud—Groundable .....	65.00	100.00
Control Switch and Indicating Lights (. . . . . V . . . . . CY) ○	55.00	55.00
Key Interlock Complete with Lock .....	100.00	100.00
Key Interlock Adaptor only .....	70.00	70.00
Veeder Counter .....	35.00	35.00
Solderless Connectors—Lugs .....	*	*
Lifting Yoke .....	25.00	25.00
Racking Crank .....	15.00	15.00
Maintenance Handle (Electrically operated only) .....	5.00	5.00
One-High Cubicle with Door (Future Compartment) .....	365.00	455.00
Overcurrent Trip Arrangements:		
The Following Trip Arrangements May be Substituted for Type OD-3 Dual Magnetic Trip Which is Standard		
Instantaneous Overcurrent Trip .....	No Charge	No Charge
Non-Automatic Terminal .....	No Charge	No Charge
Selective Overcurrent Trip (Per Pole) .....	65.00	100.00

\* For Price of Solderless Connectors, Refer Page 5, Section 1605.

‡ Can be furnished on electrically operated breakers in place of shunt trip at no change in selling price.

○ For remote mounting.

Net prices under "additions" are for devices installed at factory. Prices on attachable devices will be furnished on request.



**NET PRICES**  
**LOW VOLTAGE POWER SWITCHGEAR ACCESSORIES**

**FLAT SHEET PANEL SCREW**

The large flat head is chamfered to prevent marring the finish of the panel. Chromate finish. Head  $\frac{3}{8}$ " thick and knurled.

Catalog No.	Net Each 100 or More	Net Each 50-100	Net Each Less than 50
283290	\$0.50	\$0.60	\$0.80

**FORMED SHEET PANEL SCREW**

Price includes Retainer Spring to keep screw attached to the panel at all times. Head is chamfered to prevent marring the panel. Chromate finish. Head  $\frac{3}{8}$ " thick and knurled.

Catalog No.	Net Each 100 or More	Net Each 50-100	Net Each Less than 50
811878-K3	\$0.50	\$0.70	\$0.80

**ADJUSTABLE PANEL HINGE**

Price includes two  $\frac{1}{4}$ "-20 screws, lockwashers, nuts, washers and hinge pin. If vertical slots are drilled in the frame, a door hung on these hinges can be adjusted vertically and horizontally. Chromate finish.

Catalog No.	Net Each 100 or More	Net Each 50-100	Net Each Less than 50
226635-K2	\$0.65	\$0.85	\$1.00

**SOLDERLESS CONNECTORS**

*Notes*  
Any change in standard connectors listed will increase the price.  
Special connectors will be quoted on request.  
Above connectors arranged for cables approaching from above and below.  
Prices for K-1600 connectors include adapters for breaker studs.  
<sup>Δ</sup> Maximum size for one lug per stud.  
<sup>†</sup> Maximum size for two lugs per stud.

Type Breaker	Continuous Rating	Range of Cable Connectors Applied on Breakers	Number of Connectors per Stud	Price per Stud
K-225	125A & Und.	#8-1/0	1	\$ 2.90
K-225	225-150A	1/0-250	1	2.90
K-600	125A & Und.	#8-1/0	1	2.90
K-600	225-150A	1/0- 250M	1	2.90
K-600	300-250A	250M- 350M	1	3.60
K-600	350A	350M- 500M	1	4.30
<sup>Δ</sup> K-600	400A	350M- 750M	1	5.00
K-600	500-400A	1/0- 250M	2	5.75
K-600	600A	250M- 350M	2	7.20
K-1600	350A & Und.	#2- 350M	1	10.20
K-1600	600-400A	#2- 350M	2	12.95
K-1600	800A	350M- 750M	2	15.80
<sup>†</sup> K-1600	1000A	750M-1000M	2	18.00
K-1600	1200-1000A	350M- 750M	3	28.70
K-1600	1600A	350M- 750M	4	31.80

[www.ElectricalPartManuals.com](http://www.ElectricalPartManuals.com)