

# Magnum PXR & Power Defense SB low voltage power circuit breaker price list



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**Pricing instructions**

This price list is to be used a supplement to Bid Manager for configuring and pricing low voltage breakers and accessories for use by an OEM in the completion of a total power distribution assembly.

All quotations from this price list will be per the latest revision of SP 25-000. Discount symbol MDS applies.

Field installable kits and other renewal parts are listed in TD013013EN, available from [www.eaton.com/magnum](http://www.eaton.com/magnum) or [www.eaton.com/powerdefensesb](http://www.eaton.com/powerdefensesb). Refer to *Price and Availability Digest, Vista, or Order Center* for field-installed kit pricing. Order Center can be accessed at [my.eaton.com](http://my.eaton.com)

**Table 1. Breaker type designations**

Type of frame	Breaker type	Certification/standard	Single frame max. amp	Double frame max. amp
Narrow, double narrow	MPN, SPN	ANSI	2000	5000
Standard, double	MPS, SPS	ANSI	3200	6000 ①, 5000

① For Magnum PXR (MPS) only

### Magnum ANSI breaker catalog number format

**Table 2. Catalog number decoder for Magnum PXR® and Power Defense SB breaker product families**

Exclusionary rules apply. Refer to tables 4 through 7 to see the available catalog number configurations for positions 1-10. Bid Manager should be used to fully configure breaker catalog numbers. Confirm all final part numbers with Eaton. Format structure subject to modifications and additions without notice.

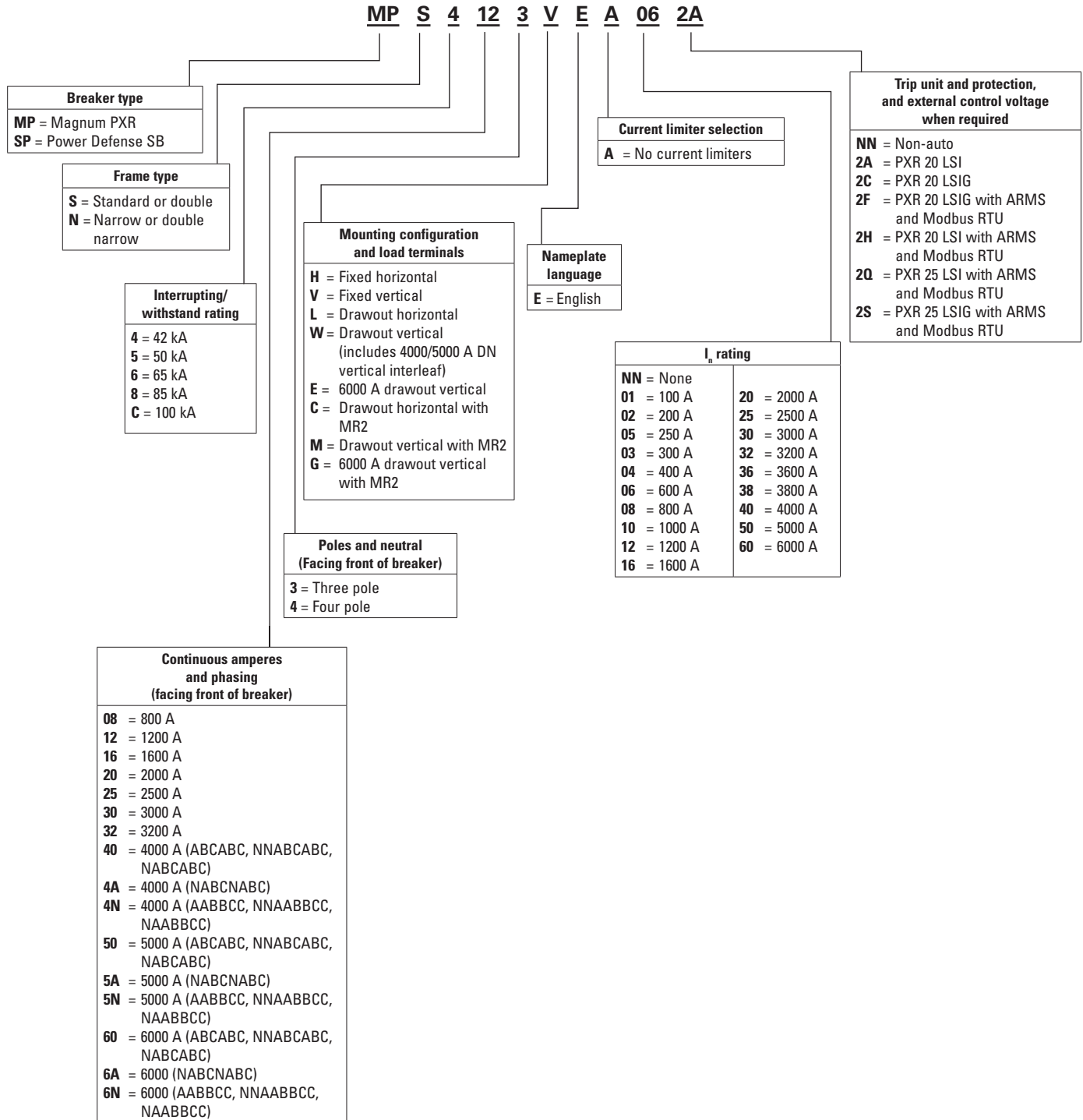
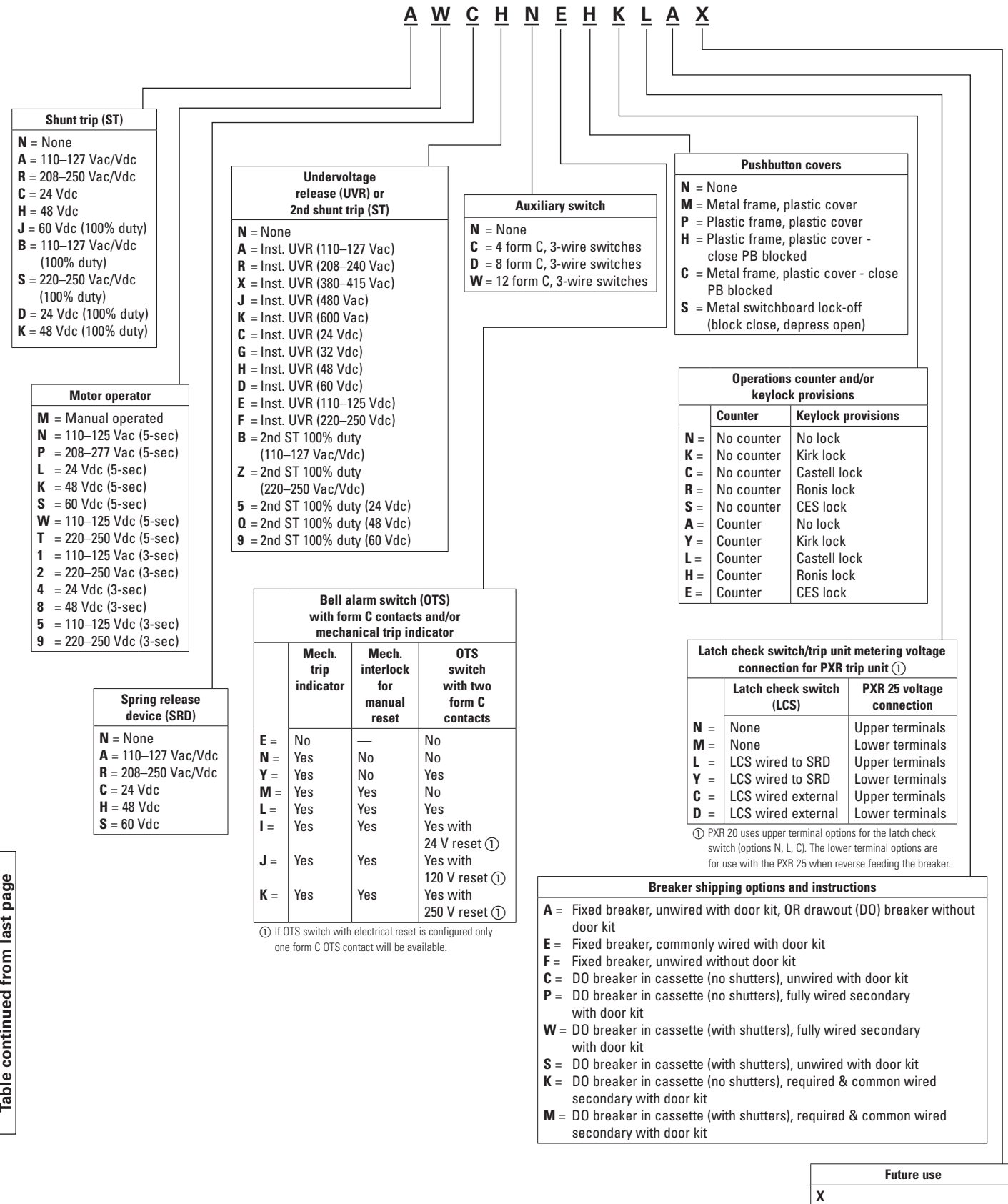


Table continued on next page

**Table 2. Catalog number decoder for Magnum PXR® and Power Defense SB breaker product families (continued)**

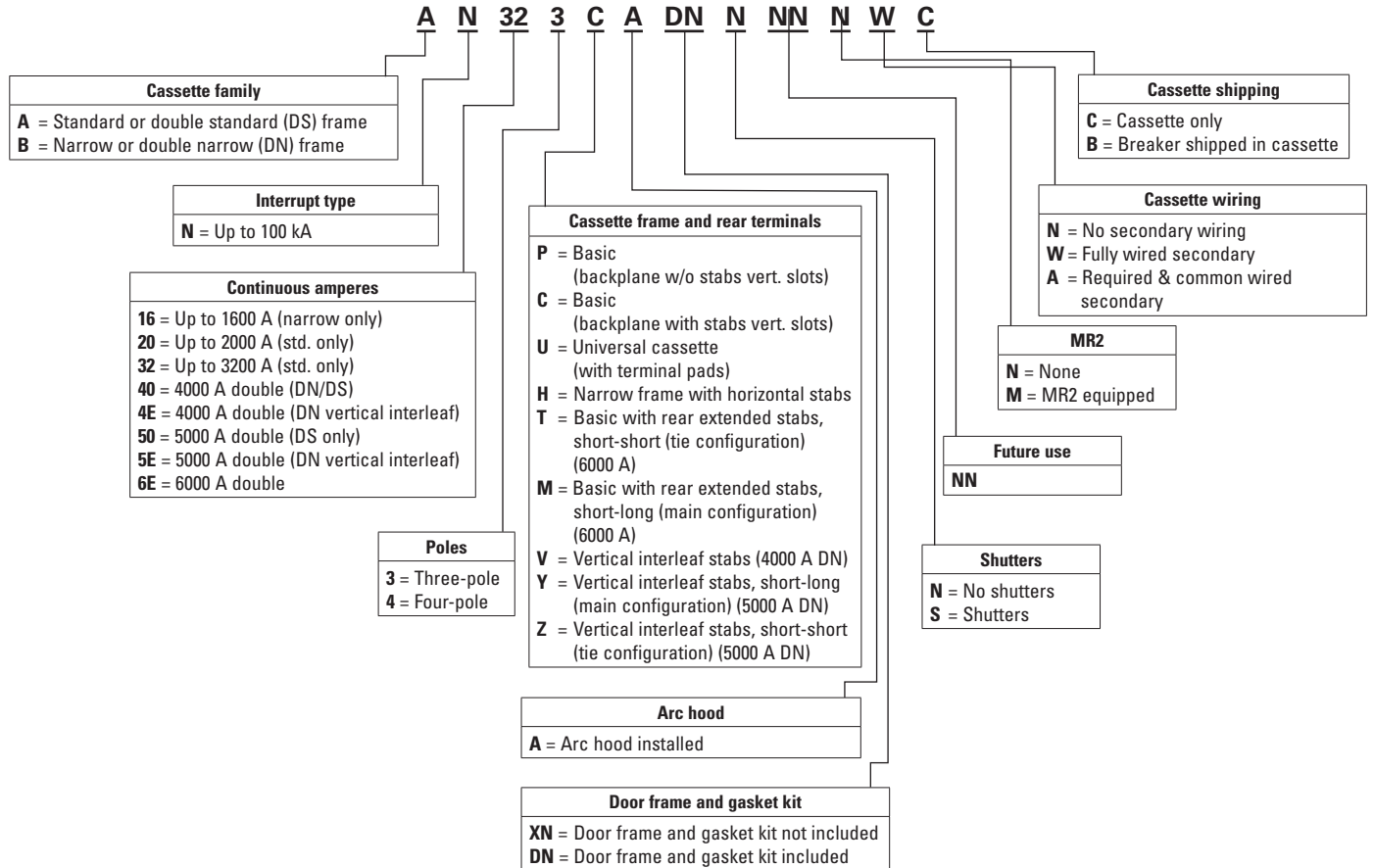
Exclusionary rules apply. Refer to tables 4 through 7 to see the available catalog number configurations for positions 1-10. Bid Manager should be used to fully configure breaker catalog number. Confirm all final part numbers with Eaton. Format structure subject to modifications and additions without notice.



### Magnum ANSI cassette catalog number format

**Table 3. Catalog number decoder for Magnum PXR® and Power Defense SB cassettes**

Exclusionary rules apply. Refer to table 22 to see the available catalog number configurations for positions 1-7. Bid Manager should be used to fully configure cassette catalog numbers. Confirm all final part numbers with Eaton. Format structure subject to modifications and additions without notice.



### Magnum PXR drawout-mounted circuit breakers—up to 635 Vac

**Table 4. Magnum PXR UL Listed 1066 power circuit breakers—drawout—product code 6950A, 6950B**

When a drawout breaker is configured in Bid Manager as take-off type "Breaker" the list price shown does not include the cassette, which must be configured and priced separately. In addition to the configured selections, drawout-mounted breaker list prices in Bid Manager include a drawout breaker frame with primary disconnecting contacts (finger clusters) and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum frame type	Interrupting rating (kA) at 600 V	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$
<b>Narrow frame drawout power circuit breaker</b>									
800	Narrow	42	42	ABC	MPN4083LEA	⑤	NABC	MPN4084LEA	⑤
1200	Narrow	42	42	ABC	MPN4123LEA	⑤	NABC	MPN4124LEA	⑤
1600	Narrow	42	42	ABC	MPN4163LEA	⑤	NABC	MPN4164LEA	⑤
800	Narrow	50	50	ABC	MPN5083LEA	⑤	NABC	MPN5084LEA	⑤
1200	Narrow	50	50	ABC	MPN5123LEA	⑤	NABC	MPN5124LEA	⑤
1600	Narrow	50	50	ABC	MPN5163LEA	⑤	NABC	MPN5164LEA	⑤
800	Narrow	65	65	ABC	MPN6083LEA	⑤	NABC	MPN6084LEA	⑤
1200	Narrow	65	65	ABC	MPN6123LEA	⑤	NABC	MPN6124LEA	⑤
1600	Narrow	65	65	ABC	MPN6163LEA	⑤	NABC	MPN6164LEA	⑤
800	Narrow	100 @ 480 Vac	65	ABC	MPNC083LEA	⑤	NABC	MPNC084LEA	⑤
1200	Narrow	100 @ 480 Vac	65	ABC	MPNC123LEA	⑤	NABC	MPNC124LEA	⑤
1600	Narrow	100 @ 480 Vac	65	ABC	MPNC163LEA	⑤	NABC	MPNC164LEA	⑤
<b>Narrow frame double wide drawout power circuit breaker</b>									
4000	Double narrow	65	65	AABBCC ③	MPN64N3LEA	⑤	NNAABBCC ③	MPN64N4LEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	AABBCC ③	MPN84N3LEA	⑤	NNAABBCC ③	MPN84N4LEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	AABBCC ③	MPNC4N3LEA	⑤	NNAABBCC ③	MPNC4N4LEA	⑤
4000	Double narrow	65	65	ABCABC ④	MPN6403LEA	⑤	NNABCABC ④	MPN6404LEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	ABCABC ④	MPN8403LEA	⑤	NNABCABC ④	MPN8404LEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	ABCABC ④	MPNC403LEA	⑤	NNABCABC ④	MPNC404LEA	⑤
4000	Double narrow	65	65	AABBCC ③	MPN64N3WEA	⑤	NNAABBCC ③	MPN64N4WEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	AABBCC ③	MPN84N3WEA	⑤	NNAABBCC ③	MPN84N4WEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	AABBCC ③	MPNC4N3WEA	⑤	NNAABBCC ③	MPNC4N4WEA	⑤
4000	Double narrow	65	65	—	—	—	NABCNABC	MPN64A4LEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	—	—	—	NABCNABC	MPN84A4LEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	—	—	—	NABCNABC	MPNC4A4LEA	⑤
5000	Double narrow	65	65	AABBCC ③	MPN65N3WEA	⑤	NNAABBCC ③	MPN65N4WEA	⑤
5000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	AABBCC ③	MPN85N3WEA	⑤	NNAABBCC ③	MPN85N4WEA	⑤
5000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	AABBCC ③	MPNC5N3WEA	⑤	NNAABBCC ③	MPNC5N4WEA	⑤
<b>Standard frame drawout power circuit breaker</b>									
800	Standard	42	42	ABC	MPS4083WEA	⑤	NABC	MPS4084WEA	⑤
800	Standard	50	50	ABC	MPS5083WEA	⑤	NABC	MPS5084WEA	⑤
1200	Standard	50	50	ABC	MPS5123WEA	⑤	NABC	MPS5124WEA	⑤
1600	Standard	50	50	ABC	MPS5163WEA	⑤	NABC	MPS5164WEA	⑤
800	Standard	65	65	ABC	MPS6083WEA	⑤	NABC	MPS6084WEA	⑤
1200	Standard	65	65	ABC	MPS6123WEA	⑤	NABC	MPS6124WEA	⑤
1600	Standard	65	65	ABC	MPS6163WEA	⑤	NABC	MPS6164WEA	⑤
2000	Standard	65	65	ABC	MPS6203WEA	⑤	NABC	MPS6204WEA	⑤

① Magnum breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).  
 ② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.  
 ③ AABBCC or NNAABBCC phasing is used in Eaton switchboards and is the recommended phasing for general use by OEMs.  
 ④ ABCABC or NNABCABC phasing is for use in Eaton-manufactured Magnum PXR low voltage switchgear and power modules.  
 ⑤ List price is available in Bid Manager.

**Table 4. Magnum PXR UL Listed 1066 power circuit breakers—drawout—product code 6950A, 6950B (continued)**

When a drawout breaker is configured in Bid Manager as take-off type "Breaker" the list price shown does not include the cassette, which must be configured and priced separately. In addition to the configured selections, drawout-mounted breaker list prices in Bid Manager include a drawout breaker frame with primary disconnecting contacts (finger clusters) and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum frame type	Interrupting rating (kA) at 600 V	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$
<b>Standard frame drawout power circuit breaker, continued</b>									
2500	Standard	65	65	ABC	MPS6253WEA	⑤	NABC	MPS6254WEA	⑤
3000	Standard	65	65	ABC	MPS6303WEA	⑤	NABC	MPS6304WEA	⑤
3200	Standard	65	65	ABC	MPS6323WEA	⑤	NABC	MPS6324WEA	⑤
800	Standard	85	85	ABC	MPS8083WEA	⑤	NABC	MPS8084WEA	⑤
1200	Standard	85	85	ABC	MPS8123WEA	⑤	NABC	MPS8124WEA	⑤
1600	Standard	85	85	ABC	MPS8163WEA	⑤	NABC	MPS8164WEA	⑤
2000	Standard	85	85	ABC	MPS8203WEA	⑤	NABC	MPS8204WEA	⑤
2500	Standard	85	85	ABC	MPS8253WEA	⑤	NABC	MPS8254WEA	⑤
3000	Standard	85	85	ABC	MPS8303WEA	⑤	NABC	MPS8304WEA	⑤
3200	Standard	85	85	ABC	MPS8323WEA	⑤	NABC	MPS8324WEA	⑤
800	Standard	100	85	ABC	MPSC083WEA	⑤	NABC	MPSC084WEA	⑤
1200	Standard	100	85	ABC	MPSC123WEA	⑤	NABC	MPSC124WEA	⑤
1600	Standard	100	85	ABC	MPSC163WEA	⑤	NABC	MPSC164WEA	⑤
2000	Standard	100	85	ABC	MPSC203WEA	⑤	NABC	MPSC204WEA	⑤
2500	Standard	100	85	ABC	MPSC253WEA	⑤	NABC	MPSC254WEA	⑤
3000	Standard	100	85	ABC	MPSC303WEA	⑤	NABC	MPSC304WEA	⑤
3200	Standard	100	85	ABC	MPSC323WEA	⑤	NABC	MPSC324WEA	⑤
<b>Double frame drawout power circuit breaker—confirm double frame phasing upon order entry</b>									
4000	Double	85	85	AABBCC ③	MPS84N3WEA	⑤	NNAABBCC ③	MPS84N4WEA	⑤
5000	Double	85	85	AABBCC ③	MPS85N3WEA	⑤	NNAABBCC ③	MPS85N4WEA	⑤
6000	Double	85	85	AABBCC ③	MPS86N3EEA	⑤	NNAABBCC ③	MPS86N4EEA	⑤
4000	Double	100	100	AABBCC ③	MPSC4N3WEA	⑤	NNAABBCC ③	MPSC4N4WEA	⑤
5000	Double	100	100	AABBCC ③	MPSC5N3WEA	⑤	NNAABBCC ③	MPSC5N4WEA	⑤
6000	Double	100	100	AABBCC ③	MPSC6N3EEA	⑤	NNAABBCC ③	MPSC6N4EEA	⑤
4000	Double	85	85	ABCABC ④	MPS8403WEA	⑤	NNABCABC ④	MPS8404WEA	⑤
5000	Double	85	85	ABCABC ④	MPS8503WEA	⑤	NNABCABC ④	MPS8504WEA	⑤
6000	Double	85	85	ABCABC ④	MPS8603EEA	⑤	—	—	—
4000	Double	100	100	ABCABC ④	MPSC403WEA	⑤	NNABCABC ④	MPSC404WEA	⑤
5000	Double	100	100	ABCABC ④	MPSC503WEA	⑤	NNABCABC ④	MPSC504WEA	⑤
6000	Double	100	100	ABCABC ④	MPSC603EEA	⑤	—	—	—
4000	Double	85	85	—	—	—	NABCNABC	MPS84A4WEA	⑤
5000	Double	85	85	—	—	—	NABCNABC	MPS85A4WEA	⑤
6000	Double	85	85	—	—	—	NABCNABC	MPS86A4EEA	⑤
4000	Double	100	100	—	—	—	NABCNABC	MPSC4A4WEA	⑤
5000	Double	100	100	—	—	—	NABCNABC	MPSC5A4WEA	⑤

① Magnum breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing is for use in Eaton-manufactured Magnum PXR low voltage switchgear and power modules.

⑤ List price is available in Bid Manager.



### Magnum PXR fixed-mounted circuit breakers—up to 635 Vac

**Table 5. UL Listed 1066 power air circuit breakers—fixed—product code 6950D, 6950E**

In addition to the configured selections, fixed-mounted breaker list prices in Bid Manager include a fixed breaker frame with mounting feet and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum ACB frame type	Interrupting rating (kA) at 600 Vac	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$
<b>Narrow frame fixed power circuit breaker</b>									
800	Narrow	42	42	ABC	MPN4083HEA	⑤	NABC	MPN4084HEA	⑤
1200	Narrow	42	42	ABC	MPN4123HEA	⑤	NABC	MPN4124HEA	⑤
1600	Narrow	42	42	ABC	MPN4163HEA	⑤	NABC	MPN4164HEA	⑤
800	Narrow	50	50	ABC	MPN5083HEA	⑤	NABC	MPN5084HEA	⑤
1200	Narrow	50	50	ABC	MPN5123HEA	⑤	NABC	MPN5124HEA	⑤
1600	Narrow	50	50	ABC	MPN5163HEA	⑤	NABC	MPN5164HEA	⑤
800	Narrow	65	65	ABC	MPN6083HEA	⑤	NABC	MPN6084HEA	⑤
1200	Narrow	65	65	ABC	MPN6123HEA	⑤	NABC	MPN6124HEA	⑤
1600	Narrow	65	65	ABC	MPN6163HEA	⑤	NABC	MPN6164HEA	⑤
2000	Narrow	65	65	ABC	MPN6203HEA	⑤	NABC	MPN6204HEA	⑤
800	Narrow	100 @ 480 Vac	65	ABC	MPNC083HEA	⑤	NABC	MPNC084HEA	⑤
1200	Narrow	100 @ 480 Vac	65	ABC	MPNC123HEA	⑤	NABC	MPNC124HEA	⑤
1600	Narrow	100 @ 480 Vac	65	ABC	MPNC163HEA	⑤	NABC	MPNC164HEA	⑤
2000	Narrow	100 @ 480 Vac	65	ABC	MPNC203HEA	⑤	NABC	MPNC204HEA	⑤
<b>Narrow frame double wide fixed power circuit breaker</b>									
4000	Double narrow	65	65	AABBCC ③	MPN64N3HEA	⑤	NNAABBCC ③	MPN64N4HEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	AABBCC ③	MPN84N3HEA	⑤	NNAABBCC ③	MPN84N4HEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	AABBCC ③	MPNC4N3HEA	⑤	NNAABBCC ③	MPNC4N4HEA	⑤
4000	Double narrow	65	65	ABCABC ④	MPN6403HEA	⑤	NNABCABC ④	MPN6404HEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	ABCABC ④	MPN8403HEA	⑤	NNABCABC ④	MPN8404HEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	ABCABC ④	MPNC403HEA	⑤	NNABCABC ④	MPNC404HEA	⑤
4000	Double narrow	65	65	—	—	—	NABCNABC	MPN64A4HEA	⑤
4000	Double narrow	85 @ 480 Vac	85 @ 480 Vac	—	—	—	NABCNABC	MPN84A4HEA	⑤
4000	Double narrow	100 @ 480 Vac	100 @ 480 Vac	—	—	—	NABCNABC	MPNC4A4HEA	⑤
<b>Standard frame fixed power circuit breaker</b>									
800	Standard	42	42	ABC	MPS4083HEA	⑤	NABC	MPS4084HEA	⑤
800	Standard	50	50	ABC	MPS5083HEA	⑤	NABC	MPS5084HEA	⑤
1200	Standard	50	50	ABC	MPS5123HEA	⑤	NABC	MPS5124HEA	⑤
1600	Standard	50	50	ABC	MPS5163HEA	⑤	NABC	MPS5164HEA	⑤
800	Standard	65	65	ABC	MPS6083HEA	⑤	NABC	MPS6084HEA	⑤
1200	Standard	65	65	ABC	MPS6123HEA	⑤	NABC	MPS6124HEA	⑤
1600	Standard	65	65	ABC	MPS6163HEA	⑤	NABC	MPS6164HEA	⑤
2000	Standard	65	65	ABC	MPS6203HEA	⑤	NABC	MPS6204HEA	⑤
2500	Standard	65	65	ABC	MPS6253HEA	⑤	NABC	MPS6254HEA	⑤
3000	Standard	65	65	ABC	MPS6303HEA	⑤	NABC	MPS6304HEA	⑤
3200	Standard	65	65	ABC	MPS6323HEA	⑤	NABC	MPS6324HEA	⑤
800	Standard	85	85	ABC	MPS8083HEA	⑤	NABC	MPS8084HEA	⑤
1200	Standard	85	85	ABC	MPS8123HEA	⑤	NABC	MPS8124HEA	⑤
1600	Standard	85	85	ABC	MPS8163HEA	⑤	NABC	MPS8164HEA	⑤
2000	Standard	85	85	ABC	MPS8203HEA	⑤	NABC	MPS8204HEA	⑤
2500	Standard	85	85	ABC	MPS8253HEA	⑤	NABC	MPS8254HEA	⑤
3000	Standard	85	85	ABC	MPS8303HEA	⑤	NABC	MPS8304HEA	⑤
3200	Standard	85	85	ABC	MPS8323HEA	⑤	NABC	MPS8324HEA	⑤

① Magnum breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton manufactured switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing for fixed breakers is available, but is not common.

⑤ List price is available in Bid Manager.



**Table 5. UL Listed 1066 power air circuit breakers—fixed—product code 6950D, 6950E (continued)**

In addition to the configured selections, fixed-mounted breaker list prices in Bid Manager include a fixed breaker frame with mounting feet and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum ACB frame type	Interrupting rating (kA) at 600 Vac	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$
<b>Standard frame fixed power circuit breaker, continued</b>									
800	Standard	100	85	ABC	MPSC083HEA	⑤	NABC	MPSC083HEA	⑤
1200	Standard	100	85	ABC	MPSC123HEA	⑤	NABC	MPSC124HEA	⑤
1600	Standard	100	85	ABC	MPSC163HEA	⑤	NABC	MPSC164HEA	⑤
2000	Standard	100	85	ABC	MPSC203HEA	⑤	NABC	MPSC204HEA	⑤
2500	Standard	100	85	ABC	MPSC253HEA	⑤	NABC	MPSC254HEA	⑤
3000	Standard	100	85	ABC	MPSC303HEA	⑤	NABC	MPSC304HEA	⑤
3200	Standard	100	85	ABC	MPSC323HEA	⑤	NABC	MPSC324HEA	⑤
<b>Double frame fixed power circuit breaker—confirm double frame phasing upon order entry</b>									
4000	Double	85	85	AABBCC ③	MPS84N3HEA	⑤	NNAABBCC ③	MPS84N4HEA	⑤
5000	Double	85	85	AABBCC ③	MPS85N3HEA	⑤	NNAABBCC ③	MPS85N4HEA	⑤
4000	Double	100	100	AABBCC ③	MPSC4N3HEA	⑤	NNAABBCC ③	MPSC4N4HEA	⑤
5000	Double	100	100	AABBCC ③	MPSC5N3HEA	⑤	NNAABBCC ③	MPSC5N4HEA	⑤
4000	Double	85	85	ABCABC ④	MPS8403HEA	⑤	NNABCABC ④	MPS8404HEA	⑤
5000	Double	85	85	ABCABC ④	MPS8503HEA	⑤	NNABCABC ④	MPS8504HEA	⑤
4000	Double	100	100	ABCABC ④	MPSC403HEA	⑤	NNABCABC ④	MPSC404HEA	⑤
5000	Double	100	100	ABCABC ④	MPSC503HEA	⑤	NNABCABC ④	MPSC504HEA	⑤
4000	Double	85	85	—	—	—	NABCNABC	MPS84A4HEA	⑤
5000	Double	85	85	—	—	—	NABCNABC	MPS85A4HEA	⑤
4000	Double	100	100	—	—	—	NABCNABC	MPSC4A4HEA	⑤
5000	Double	100	100	—	—	—	NABCNABC	MPSC5A4HEA	⑤

① Magnum breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton-manufactured switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing for fixed breakers is available, but is not common.

⑤ List price is available in Bid Manager.

**Power Defense SB drawout-mounted circuit breakers—up to 635 Vac**

**Table 6. Power Defense SB UL Listed 1066 power circuit breakers—drawout—product code 6950A, 6950B**

When a drawout breaker is configured in Bid Manager as take-off type "Breaker" the list price shown does not include the cassette, which must be configured and priced separately. In addition to the configured selections, drawout-mounted breaker list prices in Bid Manager include a drawout breaker frame with primary disconnecting contacts (finger clusters) and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum frame type	Interrupting rating (kA) at 600 V	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1-10	List price U.S. \$
<b>Narrow frame drawout power circuit breaker</b>									
800	Narrow	42	22	ABC	SPN4083LEA	⑤	NABC	SPN4084LEA	⑤
1200	Narrow	42	25	ABC	SPN4123LEA	⑤	NABC	SPN4124LEA	⑤
1600	Narrow	42	30	ABC	SPN4163LEA	⑤	NABC	SPN4164LEA	⑤
800	Narrow	50	22	ABC	SPN5083LEA	⑤	NABC	SPN5084LEA	⑤
1200	Narrow	50	25	ABC	SPN5123LEA	⑤	NABC	SPN5124LEA	⑤
1600	Narrow	50	30	ABC	SPN5163LEA	⑤	NABC	SPN5164LEA	⑤
800	Narrow	65	22	ABC	SPN6083LEA	⑤	NABC	SPN6084LEA	⑤
1200	Narrow	65	25	ABC	SPN6123LEA	⑤	NABC	SPN6124LEA	⑤
1600	Narrow	65	30	ABC	SPN6163LEA	⑤	NABC	SPN6164LEA	⑤
800	Narrow	100 @ 480 Vac	22	ABC	SPNC083LEA	⑤	NABC	SPNC084LEA	⑤
1200	Narrow	100 @ 480 Vac	25	ABC	SPNC123LEA	⑤	NABC	SPNC124LEA	⑤
1600	Narrow	100 @ 480 Vac	30	ABC	SPNC163LEA	⑤	NABC	SPNC164LEA	⑤
<b>Narrow frame double wide drawout power circuit breaker</b>									
4000	Double narrow	65	65	AABBCC ③	SPN64N3LEA	⑤	NNAABBCC ③	SPN64N4LEA	⑤
4000	Double narrow	85 @ 480 Vac	65	AABBCC ③	SPN84N3LEA	⑤	NNAABBCC ③	SPN84N4LEA	⑤
4000	Double narrow	100 @ 480 Vac	65	AABBCC ③	SPNC4N3LEA	⑤	NNAABBCC ③	SPNC4N4LEA	⑤
4000	Double narrow	65	65	ABCABC ④	SPN6403LEA	⑤	NNABCABC ④	SPN6404LEA	⑤
4000	Double narrow	85 @ 480 Vac	65	ABCABC ④	SPN8403LEA	⑤	NNABCABC ④	SPN8404LEA	⑤
4000	Double narrow	100 @ 480 Vac	65	ABCABC ④	SPNC403LEA	⑤	NNABCABC ④	SPNC404LEA	⑤
4000	Double narrow	65	65	AABBCC ③	SPN64N3WEA	⑤	NNAABBCC ③	SPN64N4WEA	⑤
4000	Double narrow	85 @ 480 Vac	65	AABBCC ③	SPN84N3WEA	⑤	NNAABBCC ③	SPN84N4WEA	⑤
4000	Double narrow	100 @ 480 Vac	65	AABBCC ③	SPNC4N3WEA	⑤	NNAABBCC ③	SPNC4N4WEA	⑤
4000	Double narrow	65	65	—	—	—	NABCNABC	SPN64A4LEA	⑤
4000	Double narrow	85 @ 480 Vac	65	—	—	—	NABCNABC	SPN84A4LEA	⑤
4000	Double narrow	100 @ 480 Vac	65	—	—	—	NABCNABC	SPNC4A4LEA	⑤
5000	Double narrow	65	65	AABBCC ③	SPN65N3WEA	⑤	NNAABBCC ③	SPN65N4WEA	⑤
5000	Double narrow	85 @ 480 Vac	65	AABBCC ③	SPN85N3WEA	⑤	NNAABBCC ③	SPN85N4WEA	⑤
5000	Double narrow	100 @ 480 Vac	65	AABBCC ③	SPNC5N3WEA	⑤	NNAABBCC ③	SPNC5N4WEA	⑤
<b>Standard frame drawout power circuit breaker</b>									
800	Standard	42	22	ABC	SPS4083WEA	⑤	NABC	SPS4084WEA	⑤
800	Standard	50	22	ABC	SPS5083WEA	⑤	NABC	SPS5084WEA	⑤
1200	Standard	50	25	ABC	SPS5123WEA	⑤	NABC	SPS5124WEA	⑤
1600	Standard	50	30	ABC	SPS5163WEA	⑤	NABC	SPS5164WEA	⑤
800	Standard	65	22	ABC	SPS6083WEA	⑤	NABC	SPS6084WEA	⑤
1200	Standard	65	25	ABC	SPS6123WEA	⑤	NABC	SPS6124WEA	⑤
1600	Standard	65	30	ABC	SPS6163WEA	⑤	NABC	SPS6164WEA	⑤
2000	Standard	65	35	ABC	SPS6203WEA	⑤	NABC	SPS6204WEA	⑤

① Power Defense SB breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing is for use in Eaton-manufactured Magnum PXR low voltage switchgear and power modules.

⑤ List price is available in Bid Manager.

**Table 6. Power Defense SB UL Listed 1066 power circuit breakers—drawout—product code 6950A, 6950B (continued)**

When a drawout breaker is configured in Bid Manager as take-off type "Breaker" the list price shown does not include the cassette, which must be configured and priced separately. In addition to the configured selections, drawout-mounted breaker list prices in Bid Manager include a drawout breaker frame with primary disconnecting contacts (finger clusters) and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum frame type	Interrupting rating (kA) at 600 V	Short-time withstand rating (kA)	Three-pole		Four-pole		List price U.S. \$	
				Phasing ② (left to right)	Catalog number positions 1–10	Phasing ② (left to right)	Catalog number positions 1–10		
<b>Standard frame drawout power circuit breaker, continued</b>									
2500	Standard	65	42	ABC	SPS6253WEA	⑤	NABC	SPS6254WEA	⑤
3000	Standard	65	50	ABC	SPS6303WEA	⑤	NABC	SPS6304WEA	⑤
3200	Standard	65	50	ABC	SPS6323WEA	⑤	NABC	SPS6324WEA	⑤
800	Standard	85	22	ABC	SPS8083WEA	⑤	NABC	SPS8084WEA	⑤
1200	Standard	85	25	ABC	SPS8123WEA	⑤	NABC	SPS8124WEA	⑤
1600	Standard	85	30	ABC	SPS8163WEA	⑤	NABC	SPS8164WEA	⑤
2000	Standard	85	35	ABC	SPS8203WEA	⑤	NABC	SPS8204WEA	⑤
2500	Standard	85	42	ABC	SPS8253WEA	⑤	NABC	SPS8254WEA	⑤
3000	Standard	85	50	ABC	SPS8303WEA	⑤	NABC	SPS8304WEA	⑤
3200	Standard	85	50	ABC	SPS8323WEA	⑤	NABC	SPS8324WEA	⑤
800	Standard	100	22	ABC	SPSC083WEA	⑤	NABC	SPSC084WEA	⑤
1200	Standard	100	25	ABC	SPSC123WEA	⑤	NABC	SPSC124WEA	⑤
1600	Standard	100	30	ABC	SPSC163WEA	⑤	NABC	SPSC164WEA	⑤
2000	Standard	100	35	ABC	SPSC203WEA	⑤	NABC	SPSC204WEA	⑤
2500	Standard	100	42	ABC	SPSC253WEA	⑤	NABC	SPSC254WEA	⑤
3000	Standard	100	50	ABC	SPSC303WEA	⑤	NABC	SPSC304WEA	⑤
3200	Standard	100	50	ABC	SPSC323WEA	⑤	NABC	SPSC324WEA	⑤
<b>Double frame drawout power circuit breaker—confirm double frame phasing upon order entry</b>									
4000	Double	85	65	AABBCC ③	SPS84N3WEA	⑤	NNAABBCC ③	SPS84N4WEA	⑤
5000	Double	85	85	AABBCC ③	SPS85N3WEA	⑤	NNAABBCC ③	SPS85N4WEA	⑤
4000	Double	100	65	AABBCC ③	SPSC4N3WEA	⑤	NNAABBCC ③	SPSC4N4WEA	⑤
5000	Double	100	85	AABBCC ③	SPSC5N3WEA	⑤	NNAABBCC ③	SPSC5N4WEA	⑤
4000	Double	85	65	ABCABC ④	SPS8403WEA	⑤	NNABCABC ④	SPS8404WEA	⑤
5000	Double	85	85	ABCABC ④	SPS8503WEA	⑤	NNABCABC ④	SPS8504WEA	⑤
4000	Double	100	65	ABCABC ④	SPSC403WEA	⑤	NNABCABC ④	SPSC404WEA	⑤
5000	Double	100	85	ABCABC ④	SPSC503WEA	⑤	NNABCABC ④	SPSC504WEA	⑤
4000	Double	85	65	—	—	—	NABCNABC	SPS84A4WEA	⑤
5000	Double	85	85	—	—	—	NABCNABC	SPS85A4WEA	⑤
4000	Double	100	65	—	—	—	NABCNABC	SPSC4A4WEA	⑤
5000	Double	100	85	—	—	—	NABCNABC	SPSC5A4WEA	⑤

① Power Defense SB breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing is for use in Eaton-manufactured Magnum PXR low voltage switchgear and power modules.

⑤ List price is available in Bid Manager.

**Power Defense fixed-mounted circuit breakers—up to 635 Vac****Table 7. Power Defense SB UL Listed 1066 power air circuit breakers—fixed—product code 6950D, 6950E**

In addition to the configured selections, fixed-mounted breaker list prices in Bid Manager include a fixed breaker frame with mounting feet and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum ACB frame type	Interrupting rating (kA) at 600 Vac	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$
<b>Narrow frame fixed power circuit breaker</b>									
800	Narrow	42	22	ABC	SPN4083HEA	⑤	NABC	SPN4084HEA	⑤
1200	Narrow	42	25	ABC	SPN4123HEA	⑤	NABC	SPN4124HEA	⑤
1600	Narrow	42	30	ABC	SPN4163HEA	⑤	NABC	SPN4164HEA	⑤
800	Narrow	50	22	ABC	SPN5083HEA	⑤	NABC	SPN5084HEA	⑤
1200	Narrow	50	25	ABC	SPN5123HEA	⑤	NABC	SPN5124HEA	⑤
1600	Narrow	50	30	ABC	SPN5163HEA	⑤	NABC	SPN5164HEA	⑤
800	Narrow	65	22	ABC	SPN6083HEA	⑤	NABC	SPN6084HEA	⑤
1200	Narrow	65	25	ABC	SPN6123HEA	⑤	NABC	SPN6124HEA	⑤
1600	Narrow	65	30	ABC	SPN6163HEA	⑤	NABC	SPN6164HEA	⑤
2000	Narrow	65	35	ABC	SPN6203HEA	⑤	NABC	SPN6204HEA	⑤
800	Narrow	100 @ 480 Vac	22	ABC	SPNC083HEA	⑤	NABC	SPNC084HEA	⑤
1200	Narrow	100 @ 480 Vac	25	ABC	SPNC123HEA	⑤	NABC	SPNC124HEA	⑤
1600	Narrow	100 @ 480 Vac	30	ABC	SPNC163HEA	⑤	NABC	SPNC164HEA	⑤
2000	Narrow	100 @ 480 Vac	35	ABC	SPNC203HEA	⑤	NABC	SPNC204HEA	⑤
<b>Narrow frame double wide fixed power circuit breaker</b>									
4000	Double narrow	65	65	AABBCC ③	SPN64N3HEA	⑤	NNAABBCC ③	SPN64N4HEA	⑤
4000	Double narrow	85 @ 480 Vac	65	AABBCC ③	SPN84N3HEA	⑤	NNAABBCC ③	SPN84N4HEA	⑤
4000	Double narrow	100 @ 480 Vac	65	AABBCC ③	SPNC4N3HEA	⑤	NNAABBCC ③	SPNC4N4HEA	⑤
4000	Double narrow	65	65	ABCABC ④	SPN6403HEA	⑤	NNABCABC ④	SPN6404HEA	⑤
4000	Double narrow	85 @ 480 Vac	65	ABCABC ④	SPN8403HEA	⑤	NNABCABC ④	SPN8404HEA	⑤
4000	Double narrow	100 @ 480 Vac	65	ABCABC ④	SPNC403HEA	⑤	NNABCABC ④	SPNC404HEA	⑤
4000	Double narrow	65	65	—	—	—	NABCNABC	SPN64A4HEA	⑤
4000	Double narrow	85 @ 480 Vac	65	—	—	—	NABCNABC	SPN84A4HEA	⑤
4000	Double narrow	100 @ 480 Vac	65	—	—	—	NABCNABC	SPNC4A4HEA	⑤
<b>Standard frame fixed power circuit breaker</b>									
800	Standard	42	22	ABC	SPS4083HEA	⑤	NABC	SPS4084HEA	⑤
800	Standard	50	22	ABC	SPS5083HEA	⑤	NABC	SPS5084HEA	⑤
1200	Standard	50	25	ABC	SPS5123HEA	⑤	NABC	SPS5124HEA	⑤
1600	Standard	50	30	ABC	SPS5163HEA	⑤	NABC	SPS5164HEA	⑤
800	Standard	65	22	ABC	SPS6083HEA	⑤	NABC	SPS6084HEA	⑤
1200	Standard	65	25	ABC	SPS6123HEA	⑤	NABC	SPS6124HEA	⑤
1600	Standard	65	30	ABC	SPS6163HEA	⑤	NABC	SPS6164HEA	⑤
2000	Standard	65	35	ABC	SPS6203HEA	⑤	NABC	SPS6204HEA	⑤
2500	Standard	65	42	ABC	SPS6253HEA	⑤	NABC	SPS6254HEA	⑤
3000	Standard	65	50	ABC	SPS6303HEA	⑤	NABC	SPS6304HEA	⑤
3200	Standard	65	50	ABC	SPS6323HEA	⑤	NABC	SPS6324HEA	⑤
800	Standard	85	22	ABC	SPS8083HEA	⑤	NABC	SPS8084HEA	⑤
1200	Standard	85	25	ABC	SPS8123HEA	⑤	NABC	SPS8124HEA	⑤
1600	Standard	85	30	ABC	SPS8163HEA	⑤	NABC	SPS8164HEA	⑤
2000	Standard	85	35	ABC	SPS8203HEA	⑤	NABC	SPS8204HEA	⑤
2500	Standard	85	42	ABC	SPS8253HEA	⑤	NABC	SPS8254HEA	⑤
3000	Standard	85	50	ABC	SPS8303HEA	⑤	NABC	SPS8304HEA	⑤
3200	Standard	85	50	ABC	SPS8323HEA	⑤	NABC	SPS8324HEA	⑤

① Power Defense SB breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton manufactured switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing for fixed breakers is available, but is not common.

⑤ List price is available in Bid Manager.

**Table 7. Power Defense SBUL Listed 1066 power air circuit breakers—fixed—product code 6950D, 6950E (continued)**

In addition to the configured selections, fixed-mounted breaker list prices in Bid Manager include a fixed breaker frame with mounting feet and a current sensor per phase. List price is available in Bid Manager.

Continuous current rating amperes at 40 °C ①	Magnum ACB frame type	Interrupting rating (kA) at 600 Vac	Short-time withstand rating (kA)	Three-pole			Four-pole		
				Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$	Phasing ② (left to right)	Catalog number positions 1–10	List price U.S. \$
<b>Standard frame fixed power circuit breaker, continued</b>									
800	Standard	100	22	ABC	SPSC083HEA	⑤	NABC	SPSC083HEA	⑤
1200	Standard	100	25	ABC	SPSC123HEA	⑤	NABC	SPSC124HEA	⑤
1600	Standard	100	30	ABC	SPSC163HEA	⑤	NABC	SPSC164HEA	⑤
2000	Standard	100	35	ABC	SPSC203HEA	⑤	NABC	SPSC204HEA	⑤
2500	Standard	100	42	ABC	SPSC253HEA	⑤	NABC	SPSC254HEA	⑤
3000	Standard	100	50	ABC	SPSC303HEA	⑤	NABC	SPSC304HEA	⑤
3200	Standard	100	50	ABC	SPSC323HEA	⑤	NABC	SPSC324HEA	⑤
<b>Double frame fixed power circuit breaker—confirm double frame phasing upon order entry</b>									
4000	Double	85	65	AABBCC ③	SPS84N3HEA	⑤	NNAABBCC ③	SPS84N4HEA	⑤
5000	Double	85	85	AABBCC ③	SPS85N3HEA	⑤	NNAABBCC ③	SPS85N4HEA	⑤
4000	Double	100	65	AABBCC ③	SPSC4N3HEA	⑤	NNAABBCC ③	SPSC4N4HEA	⑤
5000	Double	100	85	AABBCC ③	SPSC5N3HEA	⑤	NNAABBCC ③	SPSC5N4HEA	⑤
4000	Double	85	65	ABCABC ④	SPS8403HEA	⑤	NNABCABC ④	SPS8404HEA	⑤
5000	Double	85	85	ABCABC ④	SPS8503HEA	⑤	NNABCABC ④	SPS8504HEA	⑤
4000	Double	100	65	ABCABC ④	SPSC403HEA	⑤	NNABCABC ④	SPSC404HEA	⑤
5000	Double	100	85	ABCABC ④	SPSC503HEA	⑤	NNABCABC ④	SPSC504HEA	⑤
4000	Double	85	65	—	—	—	NABCNABC	SPS84A4HEA	⑤
5000	Double	85	85	—	—	—	NABCNABC	SPS85A4HEA	⑤
4000	Double	100	65	—	—	—	NABCNABC	SPSC4A4HEA	⑤
5000	Double	100	85	—	—	—	NABCNABC	SPSC5A4HEA	⑤

① Power Defense SB breakers are 100% thermal rated (no derating necessary when properly applied in a specified enclosure).

② Phasing left to right when facing front of breaker. Neutral is rated 100% of continuous current.

③ AABBCC or NNAABBCC phasing is used in Eaton-manufactured switchboards and is the recommended phasing for general use by OEMs.

④ ABCABC or NNABCABC phasing for fixed breakers is available, but is not common.

⑤ List price is available in Bid Manager.

**Table 8. Mounting configuration option for drawout breakers**

List price is available in Bid Manager.

Catalog number position 8 factory installed	Configuration description	Magnum breaker frame	Continuous current ampere rating	List price U.S. \$
<b>See table 4 for horizontal (L), vertical (W), and vertical with extensions (E) configurations and ratings</b>				
L	Horizontal	Narrow	800-1600	①
L	Horizontal	Double narrow	4000	①
W	Vertical	Standard	800-3200	①
W	Vertical	Double narrow	4000-5000	①
W	Vertical	Double standard	4000-5000	①
E	Vertical	Double standard	6000	①
<b>Motorized remote racking (MR2) configuration offerings</b>				
C	Horizontal with MR2	Narrow	800-1600	①
C	Horizontal with MR2	Double narrow	4000	①
M	Vertical with MR2	Standard	800-3200	①
M	Vertical with MR2	Double narrow	4000-5000	①
M	Vertical with MR2	Double standard	4000-5000	①
G	Vertical with MR2	Double standard	6000	①

① List price is available in Bid Manager.



## Fixed-mounted breaker—factory-installed terminal options

**Table 9. Primary terminal option for fixed breakers**

Factory-installed option for fixed breakers. List price is available in Bid Manager.

Catalog number position 8 factory installed	Terminal description ①②③④	Magnum fixed breaker frame	Number of poles	Continuous current ampere rating	Short-circuit rating (kA)	List price U.S. \$
H	Horizontal	All frames	Three- or four-pole	All ratings	All ratings	⑤
V	Vertical	Narrow	Three-pole	800–2000	Up to 100	⑤
V	Vertical	Double narrow	Three-pole	4000	Up to 100	⑤
V	Vertical	Standard	Three-pole	800–1600	65	⑤
V	Vertical	Standard	Three-pole	800–2000	Up to 200	⑤
V	Vertical	Standard/double	Three-pole	2500–3200	Up to 200	⑤
V	Vertical	Double	Three-pole	4000	Up to 200	⑤
V	Vertical	Double	Three-pole	5000	Up to 200	⑤
V	Vertical	Narrow	Four-pole	800–2000	Up to 100	⑤
V	Vertical	Double narrow	Four-pole	4000	Up to 100	⑤
V	Vertical	Standard	Four-pole	800–1600	65	⑤
V	Vertical	Standard	Four-pole	800–2000	Up to 100	⑤
V	Vertical	Standard	Four-pole	2500–3200	Up to 100	⑤
V	Vertical	Double	Four-pole	4000	Up to 100	⑤
V	Vertical	Double	Four-pole	5000	Up to 100	⑤

① Horizontal terminals (H) are provided as standard on all fixed Magnum breakers.

② Vertical terminal option includes factory-installed vertical adapters on breaker upper and lower terminals.

③ If front-connected terminals are required, order the breaker with horizontal terminals and purchase a front connector field option kit, see **TD013013EN**.

④ Vertical adapters and front connectors are also available in kit form. Refer to primary terminal adapter field option kits, see **TD013013EN**.

⑤ List price is available in Bid Manager.

### Breaker internal accessories—factory-installed options

Factory-installed option for fixed and drawout breakers. Select the I<sub>n</sub> rating by breaker frame. Select NN if breaker is non-automatic (without integral trip unit protection). For three-pole breaker ground fault applications on three-phase, four-wire circuits, external neutral sensors must be ordered and mounted separately.

**Table 10. Trip unit option**

Factory-installed option for fixed or drawout breakers. List price is available in Bid Manager.

Catalog number positions 13 and 14 factory installed	PXR trip unit ②	Functions	Trip unit power supply voltage ①	Trip unit availability on Magnum frame(s)	List price U.S. \$
NN	Non-automatic	—	None	All frames	③
2A	PXR 20	LSI	24 Vdc	All frames	③
2C	PXR 20	LSIG	24 Vdc	All frames	③
2H	PXR 20	LSIAM	24 Vdc	All frames	③
2F	PXR 20	LSIGAM	24 Vdc	All frames	③
2Q	PXR 25	LSIAM	24 Vdc	All frames	③
2S	PXR 25	LSIGAM	24 Vdc	All frames	③

① Power relay module mounted integral to breaker receives power from an external customer-supplied source wired through the breaker secondary contacts. The external source powers the trip unit digital display, communications functions, and relays.

② Interruption ratings for non-automatic breakers are equal to the published withstand rating when the breaker is used with a suitable external overcurrent protective device with instantaneous protection.

③ List price is available in Bid Manager.

Symbol	Meaning
L	Long time trip (overload)
S	Short time trip
I	Instantaneous trip
G	Ground (Earth) fault trip
A	ArcFlash reduction maintenance system
M	ModBus communication

## Breaker internal accessories—factory-installed options (continued)

**Table 11. Shunt trip (ST)**

Factory-installed option for fixed or drawout breakers. Refer applications requiring capacitor trip devices to Eaton. List price is available in Bid Manager.

Catalog number position 15 factory installed	Voltage (AC: 50/60 Hz)	Continuous duty	List price U.S. \$
N	None	—	①
A	110–127 Vac/Vdc	No	①
R	208–250 Vac/Vdc	No	①
C	24 Vdc	No	①
H	48 Vdc	No	①
B	110–127 Vac/Vdc	Yes	①
S	208–250 Vac/Vdc	Yes	①
D	24 Vdc	Yes	①
K	48 Vdc	Yes	①
J	60 Vdc	Yes	①

① List price is available in Bid Manager.

**Table 12. Motor operator (for charging closing spring)**

Factory-installed option for fixed or drawout breakers. For electrically operated breakers, price and select a motor operator, a spring release device (SRD), and a shunt trip (ST). For ANSI applications, motor operator voltage selected must match spring release device (SRD) voltage. List price is available in Bid Manager.

Catalog number position 16 factory installed	Motor charging time	Voltage (AC: 50/60 Hz)	List price U.S. \$
M	—	Manual operated	①
N	5-second	110–125 Vac	①
P	5-second	208–277 Vac	①
L	5-second	24 Vdc	①
K	5-second	48 Vdc	①
W	5-second	110–125 Vdc	①
T	5-second	220–250 Vdc	①
S	5-second	60 Vdc	①
<b>3-second motors</b>			
1	3-second	110–125 Vac	①
2	3-second	208–277 Vac	①
4	3-second	24 Vdc	①
8	3-second	48 Vdc	①
5	3-second	110–125 Vdc	①
9	3-second	220–250 Vdc	①

① List price is available in Bid Manager.

**Table 13. Spring release device (SRD)**

Factory-installed option for fixed or drawout breakers. List price is available in Bid Manager.

Catalog number position 17 factory installed	Voltage (AC: 50/60 Hz)	List price U.S. \$
N	None	①
A	110–127 Vac/Vdc	①
R	208–250 Vac/Vdc	①
C	24 Vdc	①
H	48 Vdc	①
S	60 Vdc	①

① List price is available in Bid Manager.

**Table 14. Undervoltage release (UVR) or second shunt trip (ST)**

Factory-installed option for fixed or drawout breakers. List price is available in Bid Manager.

Catalog number position 18 factory installed	Voltage (AC: 50/60 Hz)	UVR release type ①	Continuous duty	List price U.S. \$
N	None	None		②
A	110–127 Vac	Instantaneous		②
R	208–240 Vac	Instantaneous		②
C	24 Vdc	Instantaneous		②
G	32 Vdc	Instantaneous		②
H	48 Vdc	Instantaneous		②
E	110–125 Vdc	Instantaneous		②
F	220–250 Vdc	Instantaneous		②
X	380–415 Vac	Instantaneous		②
J	480 Vac	Instantaneous		②
K	600 Vac	Instantaneous		②
D	60 Vdc	Instantaneous		②
B	110–127 Vac	2nd shunt trip	Yes	②
Z	220–250 Vac	2nd shunt trip	Yes	②
5	24 Vdc	2nd shunt trip	Yes	②
Q	48 Vdc	2nd shunt trip	Yes	②
9	60 Vdc	2nd shunt trip	Yes	②

① For more information, see UVR field option kits.

② List price is available in Bid Manager.

**Table 15. Auxiliary switch option**

Factory-installed option for fixed or drawout breakers. List price is available in Bid Manager.

Catalog number position 19 factory installed ① ②	Contact type	List price U.S. \$
N	None	③
C	4 form C, 3-wire switches	③
D	8 form C, 3-wire switches	③
W	12 form C, 3-wire switches	③

① Fixed mounted breakers and narrow frame drawout breakers do not have designated terminal locations on the 6-point secondary terminal blocks for the second and third auxiliary switches. Use of the cassette overflow bracket or other wiring method is required.

② Standard, double, and double narrow cassettes do not have designated terminal locations on the 6-point secondary terminal blocks for the third auxiliary switch. Use of the cassette overflow bracket or other wiring method is required.

③ List price is available in Bid Manager.

**Table 16. Bell alarm switch (OTS) option**

Factory-installed option for fixed or drawout breakers. For breakers with trip units only; not available on non-automatic breakers. List price is available in Bid Manager.

Catalog number position 20 factory installed	Mechanical trip indicator	Mechanical interlock for manual reset	OTS switch with two form C contacts ①	List price U.S. \$
E	No	—	No	②
N	Yes	No	No	②
Y	Yes	No	Yes	②
M	Yes	Yes	No	②
L	Yes	Yes	Yes	②
I	Yes	Yes	Yes, with 24 V reset	②
J	Yes	Yes	Yes, with 120 V reset	②
K	Yes	Yes	Yes, with 240 V reset	②

① If OTS switch with electrical reset is configured only one form C OTS contact will be available.

② List price is available in Bid Manager.

**Table 17. Padlockable pushbutton cover option**

Factory-installed option for fixed or drawout breakers. List price is available in Bid Manager.

Option	Frame	Cover	Close button cover type	Open button cover type	Emergency access in locked position	List price U.S. \$
N	None	None	None	None	None	③
P	Plastic	Plastic	Hinged	Hinged	Yes	③
H	Plastic	Plastic	Fixed ①	Hinged	Yes	③
M	Metal	Plastic	Hinged	Hinged	Yes	③
C	Metal	Plastic	Fixed ①	Hinged	Yes	③
S	Metal	Plastic	Hinged	Hinged ② safe off	No	③

① Fixed cover blocks access to the Close pushbutton.

② When padlocked, the cover depresses the Open pushbutton, preventing manual or electrical breaker closing.

③ List price is available in Bid Manager.

**Table 18. Operations counter/key interlock provision option**

When selected the breaker will ship with the installation kit. Lock must be purchased and installed separately. List price is available in Bid Manager.

Catalog number position 22 factory installed	Counter type	Keylock provision ①	List price U.S. \$
N	No counter	No lock	②
K	No counter	Kirk® lock	②
C	No counter	Castell lock	②
R	No counter	Ronis lock	②
S	No counter	CES lock	②
A	Operations counter	No lock	②
Y	Operations counter	Kirk lock	②
L	Operations counter	Castell lock	②
H	Operations counter	Ronis lock	②
E	Operations counter	CES lock	②

① Key interlock provision includes a hole in the front cover with cap plus provisions hardware kit for customer installation of customer-supplied cylinder lock.

② List price is available in Bid Manager.

**Table 19. Latch check switch (LCS) and PXR metering trip unit configuration option**

Factory-installed option for fixed or drawout breakers. Latch check switch monitors ACB trip latch and readiness to close. List price is available in Bid Manager.

Catalog number position 23 factory installed	Latch check switch (LCS) connection	Metering trip unit line voltage connection (applicable only when PXR 25 trip unit is selected)	List price U.S. \$
N	None (default)	PXR 25 upper terminals	③
M	None	PXR 25 upper terminals	③
L	Latch check switch internally wired to spring release ①	PXR 25 upper terminals	③
Y	Latch check switch internally wired to spring release ①	PXR 25 lower terminals	③
C	Latch check switch wired for remote indication (1 Form C contact) ②	PXR 25 upper terminals	③
D	Latch check switch wired for remote indication (1 Form C contact) ②	PXR 25 lower terminals	③

① Latch check switch internally wired to spring release device is recommended for fast ACB transfer schemes.

② Form C contact wired through breaker secondary contacts for external customer use. Not wired internally to spring release if used for remote indication.

③ List price is available in Bid Manager.

### Breaker factory-installed options—breaker and cassette shipping instructions

**Table 20. Fixed breaker wiring options**

For fixed circuit breakers, catalog number position 24 is to specify the factory shipping instructions. List price is available in Bid Manager.

Breaker catalog number position 24 factory installed	Wiring	Door escutcheon and gasket kit	List price U.S. \$
A	Unwired	Included	②
F	Unwired	Not included	②
E	Required & common wired ①	Included	②

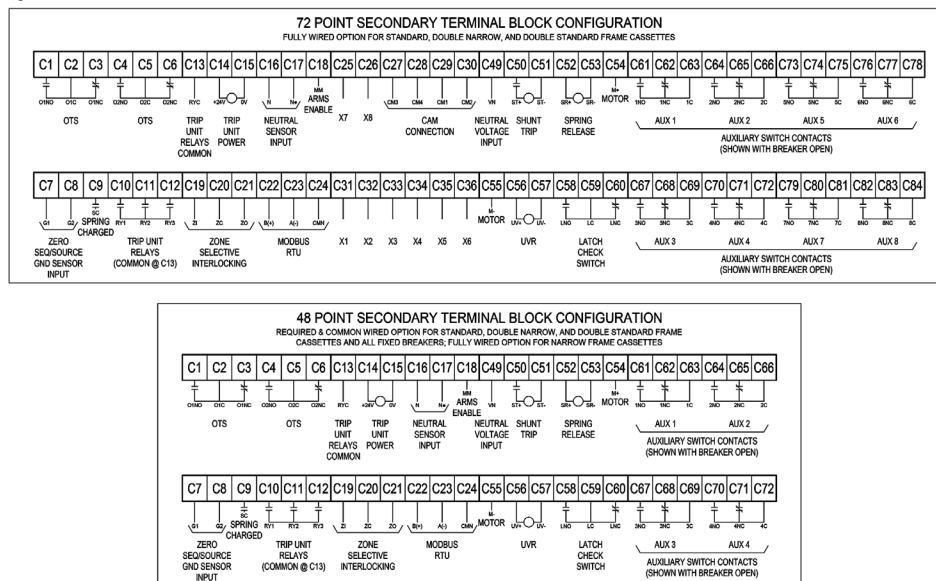
① Required and common wiring comes with 8 terminal blocks.  
② List price is available in Bid Manager.

**Table 21. Drawout breaker wiring options**

For drawout circuit breakers, catalog number position 24 is to specify the drawout breaker and cassette shipping instructions. When a drawout breaker is configured in Bid Manager as take-off type "Breaker" the list price shown does not include the cassette, which must be configured and priced separately. Narrow and standard frames allow the option to configure the take-off type as "Breaker + Cassette" for the breaker shipping in the cassette, and the list price shown in Bid Manager will include the breaker and the cassette. Double narrow and double standard frame breakers do not have this option. List price is available in Bid Manager.

Breaker catalog number position 24 factory installed	Shipment description	Door kit	Shutters	Pre-wired cassette secondary terminal blocks	Qty. of terminal blocks provided	List price U.S. \$
<b>Narrow frame breaker wiring options</b>						
A	Breaker alone	Not included	Not applicable	Not applicable	0	③
C	Breaker in cassette	Included	No shutters	Un-wired	0	③
S	Breaker in cassette	Included	Included	Un-wired	0	③
P	Breaker in cassette	Included	No shutters	Fully wired ①	8	③
W	Breaker in cassette	Included	Included	Fully wired ①	8	③
<b>Standard frame breaker wiring options</b>						
A	Breaker alone	Not included	Not applicable	Un-wired	0	③
C	Breaker in cassette	Included	No shutters	Un-wired	0	③
S	Breaker in cassette	Included	Included	Un-wired	0	③
K	Breaker in cassette	Included	Not Included	Required and common wired	8	③
M	Breaker in cassette	Included	Included	Required and common wired	8	③
P	Breaker in cassette	Included	No shutters	Fully wired ②	12	③
W	Breaker in cassette	Included	Included	Fully wired ②	12	③
<b>Double and double narrow frame breaker wiring options</b>						
A	Breaker alone	Not included	Not applicable	Not applicable	0	③

① Fully wired narrow frame cassettes include 8 terminal blocks for the most commonly used 48 points. See **Figure 1** for more information.  
② Fully wired standard frame cassettes include 12 terminal blocks for a total of 72 points. See **Figure 1** for more information.  
③ List price is available in Bid Manager.



**Figure 1. Terminal block layout options**

## Drawout cassette—factory-installed cassette options

**Table 22. Cassettes for drawout circuit breakers—product code 6954**

In addition to the configured selections, cassette list prices in Bid Manager include an arc hood and a cell rejection kit. Breaker may be shipped in narrow and standard frame universal cassettes by specifying breaker catalog number position 24. List price is available in Bid Manager.

Magnum ACB frame type	Cassette type	Breaker frame	Continuous current ampere rating at 40 °C	Maximum kA rating	Cassette catalog number positions 1-7		List price U.S. \$
					Three-pole ①	Four-pole ②	
MPN/SPN	Narrow	Narrow	800–1600	100 kA and below	<b>BN163HA</b>	<b>BN164HA</b>	③
MPN/SPN	Narrow	Double narrow	4000	100 kA and below	<b>BN403HA</b>	<b>BN404HA</b>	③
MPS/SPS	Universal	Standard	800–2000	100 kA and below	<b>AN203UA</b>	<b>AN204UA</b>	③
MPS/SPS	Universal	Standard	2500–3200	100 kA and below	<b>AN323UA</b>	<b>AN324UA</b>	③
MPS/SPS	Universal	Double	4000	100 kA and below	<b>AN403UA</b>	<b>AN404UA</b>	③
MPS/SPS	Universal	Double	5000	100 kA and below	<b>AN503UA</b>	<b>AN504UA</b>	③
MPS/SPS	Basic without stab kit	Standard	800–2000	100 kA and below	<b>AN203PA</b>	—	③
MPS/SPS	Basic without stab kit	Standard	2500–3200	100 kA and below	<b>AN323PA</b>	—	③
MPS/SPS	Basic without stab kit	Double	4000	100 kA and below	<b>AN403PA</b>	—	③
MPS/SPS	Basic without stab kit	Double	5000	100 kA and below	<b>AN503PA</b>	—	③
MPS/SPS	Basic with stab kit	Standard	800–2000	100 kA and below	<b>AN203CA</b>	—	③
MPS/SPS	Basic with stab kit	Standard	2500–3200	100 kA and below	<b>AN323CA</b>	—	③
MPS/SPS	Basic with stab kit	Double	4000	100 kA and below	<b>AN403CA</b>	—	③
MPS/SPS	Basic with stab kit	Double	5000	100 kA and below	<b>AN503CA</b>	—	③
MPS	Extended stabs (short-short)	Double	6000	100 kA and below	<b>AN6E3TA</b>	—	③
MPS	Extended stabs (short-long)	Double	6000	100 kA and below	<b>AN6E3MA</b>	—	③
MPN/SPN	Vertical interleaf	Double narrow	4000	100 kA and below	<b>BN4E3VA</b>	<b>BN4E4VA</b>	③
MPN/SPN	Short-short bus configuration	Double narrow	5000	100 kA and below	<b>BN5E3ZA</b>	<b>BN5E4ZA</b>	③
MPN/SPN	Short-long bus configuration	Double narrow	5000	100 kA and below	<b>BN5E3YA</b>	<b>BN5E4YA</b>	③

① Three-pole double frame breakers have 6 poles.

② Four-pole double frame breakers have 8 poles.

③ List price is available in Bid Manager.



**Table 23. Cassette door escutcheon and IP41 gasket kit option**

Door escutcheon and gasket shipped as loose parts kit with cassette. List price is available in Bid Manager.

Cassette Catalog number positions 8 and 9	Cassette type	Door escutcheon and gasket kit	List price U.S. \$
DN	All cassettes	Included	①
XN	All cassettes	Not included	①

① List price is available in Bid Manager.

**Table 24. Cassette shutter option**

Factory-installed cassette shutters. Shutters are also available as a field-installable kit for customer installation. For basic cassettes ordered without stabs, shutter field kits are recommended rather than factory-installed shutters, as shutter must be partially removed to assemble bus stabs in cassette. List price is available in Bid Manager.

Cassette Catalog number positions 10	Description	List price U.S. \$
N	No shutters	①
S	Shutters installed	①

① List price is available in Bid Manager.

**Table 25. Pre-wired cassette option**

Pre-wired cassettes include terminal blocks mounted and wired to secondary contacts ready to receive breaker. Un-wired cassettes include the secondary terminal bracket and terminal block spacers (not mounted). List price is available in Bid Manager.

Cassette Catalog number positions 14	Secondary wiring	List price U.S. \$
N	No wiring	③
W	Fully wired ①	③
A	Required and common wired ②	③

① The fully wired secondary includes 12 terminal blocks for standard, double narrow, and double standard frame cassettes. It includes 8 terminal blocks for narrow frame cassettes. See **Figure 1** for more information.

② The required and commonly wired secondary includes 8 terminal blocks for standard, double narrow, and double standard frame cassettes. See **Figure 1** for more information.

③ List price is available in Bid Manager.

**Table 26. Cassette shipping option**

List price is available in Bid Manager.

Cassette Catalog number positions 15	Description	List price U.S. \$
C	Cassette only	①
B	Breaker shipped in cassette	①

① List price is available in Bid Manager.

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

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