

## Fixed breakers, 3 pole UL

### Fixed breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Manually operated	Electrically operated	Set of three vertical terminals
E1B-A08	800	42	\$ 6815	\$ 9176	\$ 644
E1B-A12	1200	42	7321	9682	644
E2N-A12	1200	50	7819	10,180	690
E3S-A12	1200	65	8780	11,141	790
E3H-A12	1200	85	9048	11,409	790
E3V-A12	1200	100	9953	12,314	790
E2B-A16	1600	42	7871	10,232	690
E2N-A16	1600	50	9082	11,443	690
E3S-A16	1600	65	9797	12,158	790
E3H-A16	1600	85	10,352	12,713	790
E3V-A16	1600	100	11,387	13,748	790
E3N-A20	2000	50	10,032	12,393	790
E3S-A20	2000	65	11,053	13,414	790
E3H-A20	2000	85	13,602	15,963	790
E3V-A20	2000	100	14,962	17,323	790
E3N-A25	2500	50	14,778	17,139	790
E3S-A25	2500	65	16,451	18,812	790
E3H-A25	2500	85	17,708	20,069	790
E3V-A25	2500	100	19,479	21,840	790
E4S-A32	3200	65	21,102	23,463	1664
E4H-A32	3200	85	21,566	23,927	1664
E4V-A32	3200	100	24,047	26,408	1664
E4S-A36	3600	65	23,939	26,300	1664
E4H-A36	3600	85	27,302	29,663	1664
E4V-A36	3600	100	28,666	31,027	1664
E6H-A40	4000	85	31,528	33,889	2783
E6V-A40	4000	125	43,932	46,293	2783
E6H-A50	5000	85	43,221	45,582	2783
E6V-A50	5000	125	51,684	54,045	2783

### Standard features – manually operated UL breaker

- Rear horizontal terminals
- PR111 trip unit with LI protection functions
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- 2NO & 2NC auxiliary contacts for open/closed position indication
- Lifting plates
- Current transformers
- Terminal box

# Fixed breakers, 4 pole UL



## Fixed breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Manually operated	Electrically operated	Set of four vertical terminals
E1B-A08	800	42	\$ 9200	\$ 11,561	\$ 837
E1B-A12	1200	42	9883	12,244	837
E2N-A12	1200	50	10,556	12,917	897
E3S-A12	1200	65	11,853	14,214	1027
E3H-A12	1200	85	12,215	14,576	1027
E3V-A12	1200	100	13,436	15,797	1027
E2B-A16	1600	42	10,626	12,987	897
E2N-A16	1600	50	12,261	14,622	897
E3S-A16	1600	65	13,226	15,587	1027
E3H-A16	1600	85	13,975	16,336	1027
E3V-A16	1600	100	15,373	17,734	1027
E3N-A20	2000	50	13,543	15,904	1027
E3S-A20	2000	65	14,922	17,283	1027
E3H-A20	2000	85	18,363	20,724	1027
E3V-A20	2000	100	20,199	22,560	1027
E3N-A25	2500	50	19,950	22,311	1027
E3S-A25	2500	65	22,209	24,570	1027
E3H-A25	2500	85	23,906	26,267	1027
E3V-A25	2500	100	26,296	28,657	1027
E4S-A32	3200	65	28,488	30,849	2163
E4H-A32	3200	85	29,114	31,475	2163
E4V-A32	3200	100	32,463	34,824	2163
E4S-A36	3600	65	32,318	34,679	2163
E4H-A36	3600	85	36,858	39,219	2163
E4V-A36	3600	100	38,699	41,060	2163
E6H-A40	4000	85	42,563	44,924	3618
E6V-A40	4000	125	59,308	61,669	3618
E6H-A50	5000	85	58,348	60,709	3618
E6V-A50	5000	125	69,773	72,134	3618

### Standard features – manually operated UL breaker

- Rear horizontal terminals
- PR111 trip unit with LI protection functions
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- 2NO & 2NC auxiliary contacts for open/closed position indication
- Lifting plates
- Current transformers
- Terminal box

### Neutral pole rating

- E1 – E3 = 100% rating
- E4 – E6 = 50% rating

## Withdrawable breakers, 3 pole UL

### Withdrawable breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Moving part only		Fixed part only	
			Manually operated	Electrically operated	RH terminals	Set of three vertical terminals
E1B-A08	800	42	\$ 7383	\$ 9744	\$ 2281	\$ 644
E1B-A12	1200	42	8375	10,736	2281	644
E2N-A12	1200	50	8814	11,175	2400	690
E3S-A12	1200	65	9220	11,581	2925	790
E3H-A12	1200	85	9633	11,994	2925	790
E3V-A12	1200	100	10,596	12,957	2925	790
E2B-A16	1600	42	9320	11,681	2400	690
E2N-A16	1600	50	10,483	12,844	2400	690
E3S-A16	1600	65	10,931	13,292	2925	790
E3H-A16	1600	85	11,445	13,806	2925	790
E3V-A16	1600	100	12,590	14,951	2925	790
E3N-A20	2000	50	11,386	13,747	2925	790
E3S-A20	2000	65	12,700	15,061	2925	790
E3H-A20	2000	85	14,262	16,623	2925	790
E3V-A20	2000	100	15,688	18,049	2925	790
E3N-A25	2500	50	17,767	20,128	2925	790
E3S-A25	2500	65	20,315	22,676	2925	790
E3H-A25	2500	85	22,622	24,983	2925	790
E3V-A25	2500	100	24,884	27,245	2925	790
E4S-A32	3200	65	23,800	26,161	6259	1664
E4H-A32	3200	85	24,447	26,808	6259	1664
E4V-A32	3200	100	25,863	28,224	6259	1664
E4S-A36	3600	65	26,863	29,224	6259	1664
E4H-A36	3600	85	30,865	33,226	6259	1664
E4V-A36	3600	100	31,948	34,309	6259	1664
E6H-A40	4000	85	34,676	37,037	7398	2783
E6V-A40	4000	125	46,570	48,931	7398	2783
E6H-A50	5000	85	46,402	48,763	7398	2783
E6V-A50	5000	125	57,078	59,439	7398	2783

#### Standard features – electrically operated breaker

##### Moving part

- PR111 trip unit with LI protection feature
- Spring charging motor
- Shunt trip
- Closing coil
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- 2NO & 2NC auxiliary contacts for open-closed position indication
- Lifting plates
- Current transformers
- Racking device with closed door
- Circuit breaker racking position indicator
- Sliding contacts
- Fail safe device (not available with YU)

#### Standard features – electrically operated breaker

##### Fixed part

- Safety shutters
- Rear horizontal terminals
- Sliding contacts
- Anti-insertion lock
- Ground connection

# Withdrawable breakers, 4 pole UL



## Withdrawable breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Moving part only		Fixed part only	
			Manually operated	Electrically operated	RH terminals	Set of four vertical terminals
E1B-A08	800	42	\$ 9967	\$ 12,328	\$ 3079	\$ 837
E1B-A12	1200	42	11,306	13,667	3079	837
E2N-A12	1200	50	11,899	14,260	3240	897
E3S-A12	1200	65	12,447	14,808	3949	1027
E3H-A12	1200	85	13,005	15,366	3949	1027
E3V-A12	1200	100	14,305	16,666	3949	1027
E2B-A16	1600	42	12,582	14,943	3240	897
E2N-A16	1600	50	14,152	16,513	3240	897
E3S-A16	1600	65	14,757	17,118	3949	1027
E3H-A16	1600	85	15,451	17,812	3949	1027
E3V-A16	1600	100	16,996	19,357	3949	1027
E3N-A20	2000	50	15,371	17,732	3949	1027
E3S-A20	2000	65	17,145	19,506	3949	1027
E3H-A20	2000	85	19,254	21,615	3949	1027
E3V-A20	2000	100	21,179	23,540	3949	1027
E3N-A25	2500	50	23,985	26,346	3949	1027
E3S-A25	2500	65	27,425	29,786	3949	1027
E3H-A25	2500	85	30,540	32,901	3949	1027
E3V-A25	2500	100	33,594	35,955	3949	1027
E4S-A32	3200	65	32,130	34,491	8450	2163
E4H-A32	3200	85	33,003	35,364	8450	2163
E4V-A32	3200	100	34,915	37,276	8450	2163
E4S-A36	3600	65	36,265	38,626	8450	2163
E4H-A36	3600	85	41,668	44,029	8450	2163
E4V-A36	3600	100	43,130	45,491	8450	2163
E6H-A40	4000	85	46,813	49,174	9987	3618
E6V-A40	4000	125	62,870	65,231	9987	3618
E6H-A50	5000	85	62,643	65,004	9987	3618
E6V-A50	5000	125	77,055	79,416	9987	3618

### Standard features – electrically operated breaker Moving part

- PR111 trip unit with LI protection feature
- Spring charging motor
- Shunt trip
- Closing coil
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- 2NO & 2NC auxiliary contacts for open-closed position indication
- Lifting plates
- Current transformers
- Racking device with closed door
- Circuit breaker racking position indicator
- Sliding contacts
- Fail safe device (not available with YU)

### Standard features – electrically operated breaker Fixed part

- Safety shutters
- Rear horizontal terminals
- Sliding contacts
- Anti-insertion lock
- Ground connection

### Neutral pole rating

- E1 – E3 = 100% rating
- E4 – E6 = 50% rating

## Non-automatic air circuit breakers

### Fixed switches (without trip unit & c.t.s.), 3 pole UL

#### Fixed switches

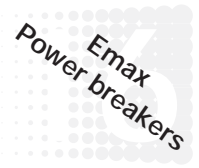
Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Manually operated	Electrically operated	Set of three vertical terminals
E1B-A/MS08	800	42	\$ 5086	\$ 7447	\$ 644
E1B-A/MS12	1200	42	5592	7953	644
E2N-A/MS12	1200	50	6090	8451	690
E3S-A/MS12	1200	65	6944	9305	790
E2B-A/MS16	1600	42	6142	8503	690
E2N-A/MS16	1600	50	7353	9714	690
E3S-A/MS16	1600	65	7961	10,322	790
E3N-A/MS20	2000	50	8196	10,557	790
E3S-A/MS20	2000	65	9217	11,578	790
E3N-A/MS25	2500	50	12,942	15,303	790
E3S-A/MS25	2500	65	14,615	16,976	790
E4S-A/MS32	3200	65	18,733	21,094	1664
E4H-A/MS32	3200	85	19,197	21,558	1664
E4S-A/MS36	3600	65	21,570	23,931	1664
E4H-A/MS36	3600	85	24,933	27,294	1664
E6H-A/MS40	4000	85	28,946	31,307	2783
E6H-A/MS50	5000	85	40,639	43,000	2783

#### Standard features – manually operated UL switch

- Rear horizontal terminals
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- Lifting plates
- Terminal box

# Non-automatic air circuit breakers

## Fixed switches (without trip unit & c.t.s.), 4 pole UL



### Fixed switches

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Manually operated	Electrically operated	Set of four vertical terminals
E1B-A/MS08	800	42	\$ 6866	\$ 9227	\$ 644
E1B-A/MS12	1200	42	7549	9910	644
E2N-A/MS12	1200	50	8222	10,583	690
E3S-A/MS12	1200	65	9374	11,735	790
E2B-A/MS16	1600	42	8292	10,653	690
E2N-A/MS16	1600	50	9927	12,288	690
E3S-A/MS16	1600	65	10,747	13,108	790
E3N-A/MS20	2000	50	11,065	13,426	790
E3S-A/MS20	2000	65	12,443	14,804	790
E3N-A/MS25	2500	50	17,472	19,833	790
E3S-A/MS25	2500	65	19,730	22,091	790
E4S-A/MS32	3200	65	25,290	27,651	1664
E4H-A/MS32	3200	85	25,916	28,277	1664
E4S-A/MS36	3600	65	29,120	31,481	1664
E4H-A/MS36	3600	85	33,660	36,021	1664
E6H-A/MS40	4000	85	39,077	41,438	2783
E6H-A/MS50	5000	85	54,863	57,224	2783

### Standard features – manually operated UL switch

- Rear horizontal terminals
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- Lifting plates
- Terminal box

### Neutral pole rating

- E1 – E3 = 100% rating
- E4 – E6 = 50% rating

## Non-automatic air circuit breakers

### Withdrawable switches (without trip unit & c.t.s.), 3 pole UL

#### Withdrawable switches

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Moving part only		Fixed part only	
			Manually operated	Electrically operated	RH terminals	Set of three vertical terminals
E1B-A/MS08	800	42	\$ 5654	\$ 8015	\$ 2281	\$ 644
E1B-A/MS12	1200	42	6646	9007	2281	644
E2N-A/MS12	1200	50	7085	9446	2400	690
E3S-A/MS12	1200	65	7384	9745	2925	790
E2B-A/MS16	1600	42	7591	9952	2400	690
E2N-A/MS16	1600	50	8754	11,115	2400	690
E3S-A/MS16	1600	65	9095	11,456	2925	790
E3N-A/MS20	2000	50	9550	11,911	2925	790
E3S-A/MS20	2000	65	10,864	13,225	2925	790
E3N-A/MS25	2500	50	15,931	18,292	2925	790
E3S-A/MS25	2500	65	18,479	20,840	2925	790
E4S-A/MS32	3200	65	21,431	23,792	6259	1664
E4H-A/MS32	3200	85	22,078	24,439	6259	1664
E4S-A/MS36	3600	65	24,494	26,855	6259	1664
E4H-A/MS36	3600	85	28,496	30,857	6259	1664
E6H-A/MS40	4000	85	32,094	34,455	7398	2783
E6H-A/MS50	5000	85	43,820	46,181	7398	2783

#### Standard features – manually operated switch

##### Moving part

- Manual mechanical close and open pushbuttons
- Circuit breaker open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- Lifting plates
- Racking device with closed door
- Circuit breaker racking position indicator
- Sliding contacts
- Fail-safe device (not available with YU)

#### Standard features – manually operated switch

##### Fixed part

- Safety shutters
- Rear horizontal terminals
- Sliding contacts
- Anti-insertion lock
- Ground connection

# Non-automatic air circuit breakers

## Withdrawable switches (without trip unit & c.t.s.), 4 pole

### UL



#### Withdrawable switches

Circuit breaker type	Frame amps	Interrupting ratings kA, 480V	Moving part only		Fixed part only	
			Manually operated	Electrically operated	RH terminals	Set of four vertical terminals
E1B-A/MS08	800	42	\$ 7633	\$ 9994	\$ 3079	\$ 837
E1B-A/MS12	1200	42	8972	11,333	3079	837
E2N-A/MS12	1200	50	9565	11,926	3240	897
E3S-A/MS12	1200	65	9968	12,329	3949	1027
E2B-A/MS16	1600	42	10,248	12,609	3240	897
E2N-A/MS16	1600	50	11,818	14,179	3240	897
E3S-A/MS16	1600	65	12,278	14,639	3949	1027
E3N-A/MS20	2000	50	12,893	15,254	3949	1027
E3S-A/MS20	2000	65	14,666	17,027	3949	1027
E3N-A/MS25	2500	50	21,507	23,868	3949	1027
E3S-A/MS25	2500	65	24,947	27,308	3949	1027
E4S-A/MS32	3200	65	28,932	31,293	8450	2163
E4H-A/MS32	3200	85	29,805	32,166	8450	2163
E4S-A/MS36	3600	65	33,067	35,428	8450	2163
E4H-A/MS36	3600	85	38,470	40,831	8450	2163
E6H-A/MS40	4000	85	43,327	45,688	9987	3618
E6H-A/MS50	5000	85	59,157	61,518	9987	3618

#### Standard features – manually operated switch

##### Moving part

- Manual mechanical close and open pushbuttons
- Circuit breaker open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- Lifting plates
- Racking device with closed door
- Circuit breaker racking position indicator
- Sliding contacts
- Fail-safe device (not available with YU)

#### Standard features – manually operated switches

##### Fixed part

- Safety shutters
- Rear horizontal terminals
- Sliding contacts
- Anti-insertion lock
- Ground connection

#### Neutral pole rating

- E1 – E3 = 100% rating
- E4 – E6 = 50% rating