

Fixed breakers, 3 poles IEC

Fixed breakers

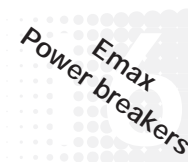
Circuit breaker type	Frame amps	Interrupting ratings kA, 415V	Manually operated	Electrically operated	Set of three vertical terminals	Set of three front terminals
E1B08	800	40	\$ 6027	\$ 8388	\$ 644	\$ 367
E1B12	1250	40	6656	9017	644	367
E2N12	1250	65	7314	9675	690	888
E3S12	1250	75	7808	10,169	790	1232
E3H12	1250	100	8036	10,397	790	1232
E2L12	1250	130	10,066	12,427	690	888
E2B16	1600	40	7293	9654	690	888
E2N16	1600	65	8014	10,375	690	888
E3S16	1600	75	8700	11,061	790	1232
E3H16	1600	100	9232	11,593	790	1232
E2L16	1600	130	11,422	13,783	690	888
E2B20	2000	40	8509	10,870	690	888
E2N20	2000	65	9024	11,385	690	888
E3S20	2000	75	9817	12,178	790	1232
E3H20	2000	100	11,762	14,123	790	1232
E3L20	2000	130	13,425	15,786	790	1232
E3N25	2500	65	13,870	16,231	790	1232
E3S25	2500	75	15,242	17,603	790	1232
E3H25	2500	100	16,948	19,309	790	1232
E3L25	2500	130	19,454	21,815	790	1232
E3N32	3200	65	17,963	20,324	790	1232
E3S32	3200	75	18,662	21,023	790	1232
E3H32	3200	100	20,217	22,578	790	1232
E4H32	3200	100	22,085	24,446	1664	1696
E6V32	3200	150	36,328	38,689	2783	2464
E4S40	4000	75	26,873	29,234	1664	1696
E4H40	4000	100	30,645	33,006	1664	1696
E6V40	4000	150	42,739	45,100	2783	2464
E6H50	5000	100	42,047	44,408	2783	2464
E6V50	5000	150	50,281	52,642	2783	2464
E6H63	6300	100	50,456	52,817	2783	2464
E6V63	6300	150	60,337	62,698	2783	2464

Standard features – manually operated breaker

Fixed 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 poles IEC



Fixed breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 415V	Manually operated	Electrically operated	Set of four vertical terminals	Set of four front terminals
E1B08	800	40	\$ 7475	\$ 9836	\$ 837	\$ 489
E1B12	1250	40	8293	10,654	837	489
E2N12	1250	65	9148	11,509	897	1183
E3S12	1250	75	9306	11,667	1027	1643
E3H12	1250	100	9591	11,952	1027	1643
E2L12	1250	130	12,725	15,086	897	1183
E2B16	1600	40	9121	11,482	897	1183
E2N16	1600	65	10,059	12,420	897	1183
E3S16	1600	75	10,413	12,774	1027	1643
E3H16	1600	100	10,550	12,911	1027	1643
E2L16	1600	130	14,488	16,849	897	1183
E2B20	2000	40	10,701	13,062	897	1183
E2N20	2000	65	11,371	13,732	897	1183
E3S20	2000	75	11,795	14,156	1027	1643
E3H20	2000	100	13,621	15,982	1027	1643
E3L20	2000	130	17,093	19,454	1027	1643
E3N25	2500	65	17,671	20,032	1027	1643
E3S25	2500	75	19,454	21,815	1027	1643
E3H25	2500	100	21,672	24,033	1027	1643
E3L25	2500	130	24,930	27,291	1027	1643
E3N32	3200	65	22,992	25,353	1027	1643
E3S32	3200	75	23,900	26,261	1027	1643
E3H32	3200	100	27,307	29,668	1027	1643
E4H32	3200	100	28,351	30,712	2163	2260
E6V32	3200	150	45,410	47,771	3618	3286
E4S40	4000	75	34,610	36,971	2163	2260
E4H40	4000	100	39,516	41,877	2163	2260
E6V40	4000	150	53,424	55,785	3618	3286
E6H50	5000	100	52,558	54,919	3618	3286
E6V50	5000	150	62,852	65,213	3618	3286
E6H63	6300	100	63,070	65,431	3618	3286
E6V63	6300	150	75,422	77,783	3618	3286

Standard features – manually operated breaker

Fixed 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 ①

① Consult factory for special 100% neutral pole rating.

Withdrawable breakers, 3 poles IEC

Withdrawable breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 415V	Moving part only		Fixed part		
			Manually operated	Electrically operated	RH terminals	Set of three vertical terminals	Set of three front terminals
E1B08	800	40	\$ 6501	\$ 8862	\$ 2281	\$ 644	\$ 367
E1B12	1250	40	7757	10,118	2281	644	367
E2N12	1250	65	8626	10,987	2400	690	888
E3S12	1250	75	8760	11,121	2925	790	1232
E3H12	1250	100	8897	11,258	2925	790	1232
E2L12	1250	130	12,180	14,541	2400	690	888
E2B16	1600	40	9097	11,458	2400	690	888
E2N16	1600	65	10,234	12,595	2400	690	888
E3S16	1600	75	10,674	13,035	2925	790	1232
E3H16	1600	100	11,100	13,461	2925	790	1232
E2L16	1600	130	15,920	18,281	2400	690	888
E2B20	2000	40	10,987	13,348	2400	690	888
E2N20	2000	65	11,182	13,543	2400	690	888
E3S20	2000	75	11,361	13,722	2925	790	1232
E3H20	2000	100	13,256	15,617	2925	790	1232
E3L20	2000	130	17,817	20,178	2925	790	888
E3N25	2500	65	15,220	17,581	2925	790	1232
E3S25	2500	75	17,896	20,257	2925	790	1232
E3H25	2500	100	19,528	21,889	2925	790	1232
E3L25	2500	130	22,892	25,253	2925	790	1232
E3N32	3200	65	22,337	24,698	2925	790	1232
E3S32	3200	75	23,340	25,701	2925	790	1232
E3H32	3200	100	23,724	26,085	2925	790	1232
E4H32	3200	100	23,842	26,203	6259	1664	1696
E6V32	3200	150	38,539	40,900	7398	2783	2464
E4S40	4000	75	30,399	32,760	6259	1664	1696
E4H40	4000	100	34,540	36,901	6259	1664	1696
E6V40	4000	150	45,340	47,701	7398	2783	2464
E6H50	5000	100	45,541	47,902	7398	2783	2464
E6V50	5000	150	53,341	55,702	7398	2783	2464
E6H63	6300	100	64,163	66,524	7398	2783	2464
E6V63	6300	150	78,427	80,788	7398	2783	2464

Standard features – electrically operated breaker

Moving part

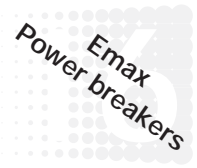
- PR111 trip unit with LI protection functions
- Spring charging motor
- Shunt trip
- Closing coil
- Manual mechanical close and open pushbuttons
- CB open/closed mechanical indicator
- Spring charged/discharged mechanical indicator
- 2NO & 2NC auxiliary contacts for open-closed position indication
- Lifting plates
- Current transformers
- Racking device with closed door
- Circuit breaker racking position indicator
- Sliding contacts

Standard features – electrically operated breaker

Fixed part

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

Withdrawable breakers, 4 poles IEC



Withdrawable breakers

Circuit breaker type	Frame amps	Interrupting ratings kA, 415V	Moving part only		Fixed part		
			Manually operated	Electrically operated	RH terminals	Set of four vertical terminals	Set of four front terminals
E1B08	800	40	\$ 7717	\$ 10,078	\$ 2572	\$ 837	\$ 489
E1B12	1250	40	10,649	13,010	2572	837	489
E2N12	1250	65	11,372	13,733	3192	897	1183
E3S12	1250	75	11,906	14,267	3890	1027	1643
E3H12	1250	100	12,229	14,590	3890	1027	1643
E2L12	1250	130	15,402	17,763	3192	897	1183
E2B16	1600	40	11,395	13,756	3192	897	1183
E2N16	1600	65	12,873	15,234	3192	897	1183
E3S16	1600	75	12,472	14,833	3890	1027	1643
E3H16	1600	100	13,304	15,665	3890	1027	1643
E2L16	1600	130	20,264	22,625	3192	897	1183
E2B20	2000	40	13,851	16,212	3192	897	1183
E2N20	2000	65	15,661	18,022	3192	897	1183
E3S20	2000	75	14,873	17,234	3890	1027	1643
E3H20	2000	100	16,784	19,145	3890	1027	1643
E3L20	2000	130	22,714	25,075	3890	1027	1643
E3N25	2500	65	20,380	22,741	3890	1027	1643
E3S25	2500	75	22,816	25,177	3890	1027	1643
E3H25	2500	100	24,938	27,299	3890	1027	1643
E3L25	2500	130	29,312	31,673	3890	1027	1643
E3N32	3200	65	29,555	31,916	3890	1027	1643
E3S32	3200	75	29,893	32,254	3890	1027	1643
E3H32	3200	100	32,017	34,378	3890	1027	1643
E4H32	3200	100	32,589	34,950	8324	2163	2260
E6V32	3200	150	49,722	52,083	9839	3618	3286
E4S40	4000	75	41,350	43,711	8324	2163	2260
E4H40	4000	100	44,409	46,770	8324	2163	2260
E6V40	4000	150	58,496	60,857	9839	3618	3286
E6H50	5000	100	58,680	61,041	9839	3618	3286
E6V50	5000	150	68,820	71,181	9839	3618	3286
E6H63	6300	100	82,888	85,249	9839	3618	3286
E6V63	6300	150	101,432	103,793	9839	3618	3286

Standard features – electrically operated breaker

Moving part

- PR111 trip unit with LI protection functions
- 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

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 ①

① Consult factory for special 100% neutral pole rating.

Non-automatic air circuit breaker

Fixed switches (Without trip unit & c.t.s.), 3 pole IEC

Fixed switches, 3 pole

Circuit breaker type	Frame amps	Manually operated	Electrically operated	Set of three vertical terminals	Set of three front terminals
E1B/MS08	800	\$ 4298	\$ 6659	\$ 644	\$ 367
E1B/MS12	1250	4927	7288	644	367
E2N/MS12	1250	5585	7946	690	888
E3S/MS12	1250	5972	8333	790	1232
E2B/MS16	1600	5564	7925	690	888
E2N/MS16	1600	6285	8646	690	888
E3S/MS16	1600	6864	9225	790	1232
E2B/MS20	2000	6780	9141	690	888
E2N/MS20	2000	7295	9656	690	888
E3S/MS20	2000	7981	10,342	790	1232
E3N/MS25	2500	12,034	14,395	790	1232
E3S/MS25	2500	13,406	15,767	790	1232
E3N/MS32	3200	16,127	18,488	790	1232
E3S/MS32	3200	16,826	19,187	790	1232
E4S/MS40	4000	24,504	26,865	1664	1696
E4H/MS40	4000	28,276	30,637	1664	1696
E6H/MS50	5000	39,465	41,826	2783	2464
E6H/MS63	6300	47,874	50,235	2783	2464

Standard features – manually operated switch

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

Non-automatic air circuit breaker

Fixed switches (Without trip unit & c.t.s.), 4 pole IEC

Fixed switches, 4 pole

Circuit breaker type	Frame amps	Manually operated	Electrically operated	Set of four vertical terminals	Set of four front terminals
E1B/MS08	800	\$ 5533	\$ 7894	\$ 837	\$ 489
E1B/MS12	1250	6351	8712	837	489
E2N/MS12	1250	7206	9567	897	1183
E3S/MS12	1250	7221	9582	1027	1643
E2B/MS16	1600	7179	9540	897	1183
E2N/MS16	1600	8117	10,478	897	1183
E3S/MS16	1600	8328	10,689	1027	1643
E2B/MS20	2000	8759	11,120	897	1183
E2N/MS20	2000	9429	11,790	897	1183
E3S/MS20	2000	9710	12,071	1027	1643
E3N/MS25	2500	15,586	17,947	1027	1643
E3S/MS25	2500	17,369	19,730	1027	1643
E3N/MS32	3200	20,907	23,268	1027	1643
E3S/MS32	3200	21,815	24,176	1027	1643
E4S/MS40	4000	31,815	34,176	2163	2260
E4H/MS40	4000	36,721	39,082	2163	2260
E6H/MS50	5000	49,479	51,480	3618	3286
E6H/MS63	6300	59,991	62,352	3618	3286

Standard features – manually operated switch

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

Neutral pole rating

- E1 – E3 = 100% rating
- E4 – E6 = 50% rating [Ⓢ]

[Ⓢ] Consult factory for special 100% neutral pole rating.

Non-automatic air circuit breaker

Withdrawable switches (Without trip unit & c.t.s.), 3 pole IEC

Withdrawable switches, 3 pole

Circuit breaker type	Ampere frame amps	Moving part only		Fixed part RH terminals	Set of 3 vertical terminals	Set of 3 front terminals
		Manually operated	Electrically operated			
E1B/MS08	800	\$ 4772	\$ 7133	\$ 2281	\$ 644	\$ 367
E1B/MS12	1250	6028	8389	2281	644	367
E2N/MS12	1250	6897	9258	2400	690	888
E3S/MS12	1250	6924	9285	2925	790	1232
E2B/MS16	1600	7368	9729	2400	690	888
E2N/MS16	1600	8505	10,866	2400	690	888
E3S/MS16	1600	8838	11,199	2925	790	1232
E2B/MS20	2000	9258	11,619	2400	690	888
E2N/MS20	2000	9453	11,814	2400	690	888
E3S/MS20	2000	9525	11,886	2925	790	1232
E3N/MS25	2500	13,384	15,745	2925	790	1232
E3S/MS25	2500	16,060	18,421	2925	790	1232
E3N/MS32	3200	20,501	22,862	2925	790	1232
E3S/MS32	3200	21,540	23,865	2925	790	1232
E4S/MS40	4000	28,030	30,391	6259	1664	1696
E4H/MS40	4000	32,171	34,532	6259	1664	1696
E6H/MS50	5000	42,959	45,320	7398	2783	2464
E6H/MS63	6300	61,581	63,942	7398	2783	2464

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

Standard features – manually operated switch

Fixed part

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

Non-automatic air circuit breaker

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

IEC



Withdrawable switches, 4 pole

Circuit breaker type	Ampere frame amps	Moving part only		Fixed part RH terminals	Set of 4 vertical terminals	Set of 4 front terminals
		Manually operated	Electrically operated			
E1B/MS08	800	\$ 5775	\$ 8136	\$ 2572	\$ 837	\$ 489
E1B/MS12	1250	8707	11,068	2572	837	489
E2N/MS12	1250	9430	11,791	3192	897	1183
E3S/MS12	1250	9821	12,182	3890	1027	1643
E2B/MS16	1600	9453	11,814	3192	837	1183
E2N/MS16	1600	10,931	13,292	3192	897	1183
E3S/MS16	1600	10,387	12,748	3890	1027	1643
E2B/MS20	2000	11,909	14,270	3192	837	1183
E2N/MS20	2000	13,719	16,080	3192	897	1183
E3S/MS20	2000	12,788	15,149	3890	1027	1643
E3N/MS25	2500	18,295	20,656	3890	1027	1643
E3S/MS25	2500	20,731	23,092	3890	1027	1643
E3N/MS32	3200	27,470	29,831	3890	1027	1643
E3S/MS32	3200	27,808	30,169	3890	1027	1643
E4S/MS40	4000	38,555	40,916	8324	2163	2260
E4H/MS40	4000	41,614	43,975	8324	2163	2260
E6H/MS50	5000	55,601	57,962	9839	3618	3286
E6H/MS63	6300	79,809	82,170	9839	3618	3286

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

Standard features – manually operated switch

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 ①

① Consult factory for special 100% neutral pole rating.