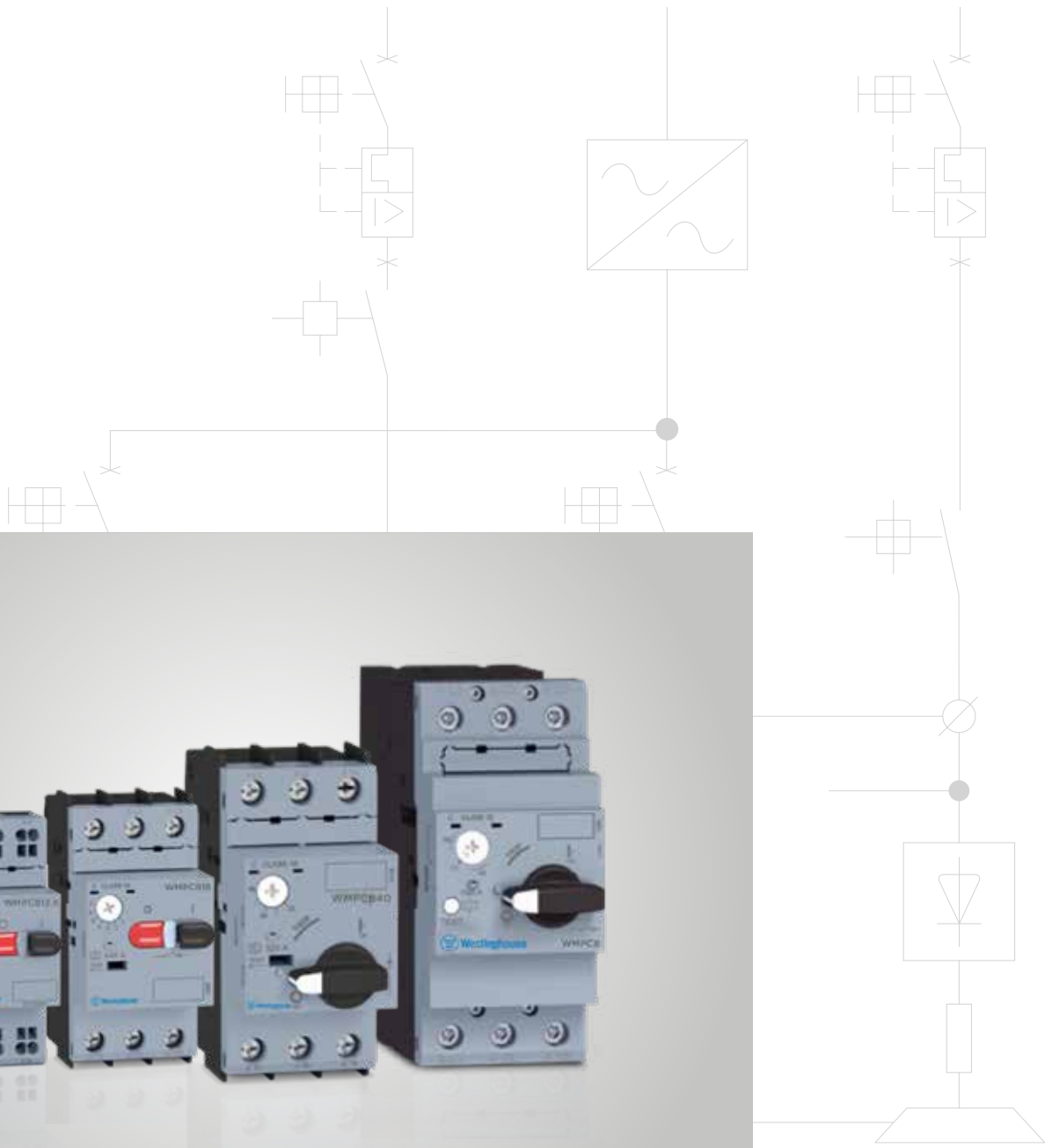


WMPCB SERIES

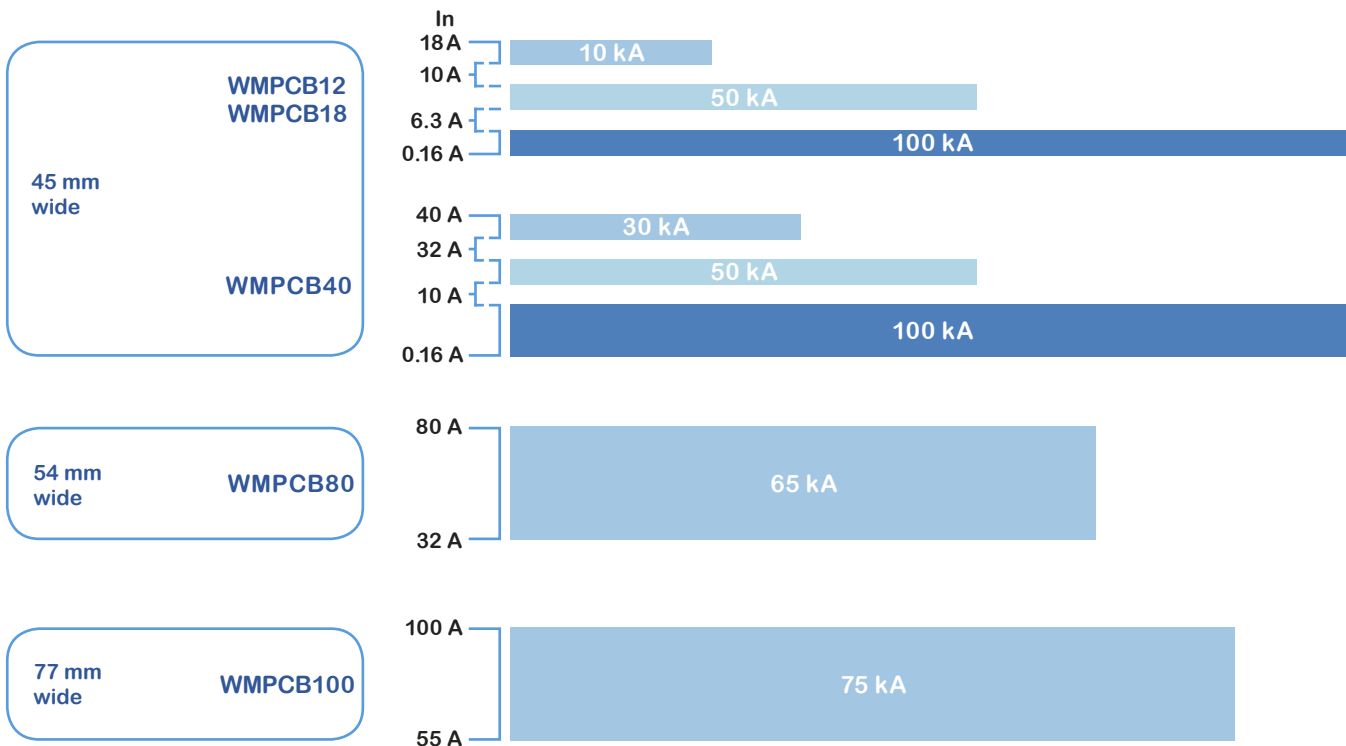
Motor Protective Circuit Breakers



The best solution for switching and protecting your electric motor

Developed according to IEC 60947 and UL 508, the WMPCB line of motor protective circuit breakers provides superior performance and high short-circuit interrupting capacity for your applications.

High Short Circuit Capacity (@380 V)





Selection Table

WMPCB40 Motor Protective Circuit Breaker up to 40 A - Thermomagnetic or Magnetic Only


- Allows the operation and overload and short circuit protection of electric motor
- Fixed short-circuit release 13 times the maximum circuit breaker rated current
- With phase-failure sensitivity according to IEC 60947-4-1
- With temperature compensation
- For use as main switch (IEC 60947-2)
- Self-protected against short circuit up to 6.3 A at 500 V ac
- Thermomagnetic Motor Protective Circuit Breaker with overload protection (class 10)



WMPCB40 Motor Protective Circuit Breaker - Thermomagnetic - Overload and Short-Circuit Protection

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Overload release setting  In (A)	Instantaneous magnetic trip 13x In  Im (A)	Spring terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW				Reference	Code	
-	-	-	0.16	0.1...0.16	2.08	WMPCB40-3-C016	W605544	0.36
-	-	-	0.25	0.16...0.25	3.25	WMPCB40-3-C025	W605545	
-	-	0.16 / 0.12	0.4	0.25...0.4	5.2	WMPCB40-3-D004	W605546	
-	0.16 / 0.12	0.25 / 0.18	0.63	0.4...0.63	8.2	WMPCB40-3-C063	W605547	
0.16 / 0.12	0.33 / 0.25	0.33 / 0.25	1	0.63...1	13	WMPCB40-3-U001	W605548	
0.33 / 0.25	0.5 / 0.37	1 / 0.75	1.6	1...1.6	20.8	WMPCB40-3-D016	W605549	
0.5 / 0.37	1 / 0.75	1.5 / 1.1	2.5	1.6...2.5	32.5	WMPCB40-3-D025	W605550	
1 / 0.75	2 / 1.5	2 / 1.5	4	2.5...4	52	WMPCB40-3-U004	W605551	
1.5 / 1.1	3 / 2.2	4 / 3	6.3	4...6.3	82	WMPCB40-3-D063	W605552	
3 / 2.2	6 / 4.5	7.5 / 5.5	10	6.3...10	130	WMPCB40-3-U010	W605553	
5 / 3.7	10 / 7.5	12.5 / 9.2	16	10...16	208	WMPCB40-3-U016	W605554	
7.5 / 5.5	12.5 / 9.2	15 / 11	20	16...20	260	WMPCB40-3-U020	W605555	
-	15 / 11	-	25	20...25	325	WMPCB40-3-U025	W605556	
12.5 / 9.2	20 / 15	20 / 15	32	25...32	416	WMPCB40-3-U032	W605557	
15 / 11	25 / 18.5	25 / 18.5	40	32...40	520	WMPCB40-3-U040	W605558	

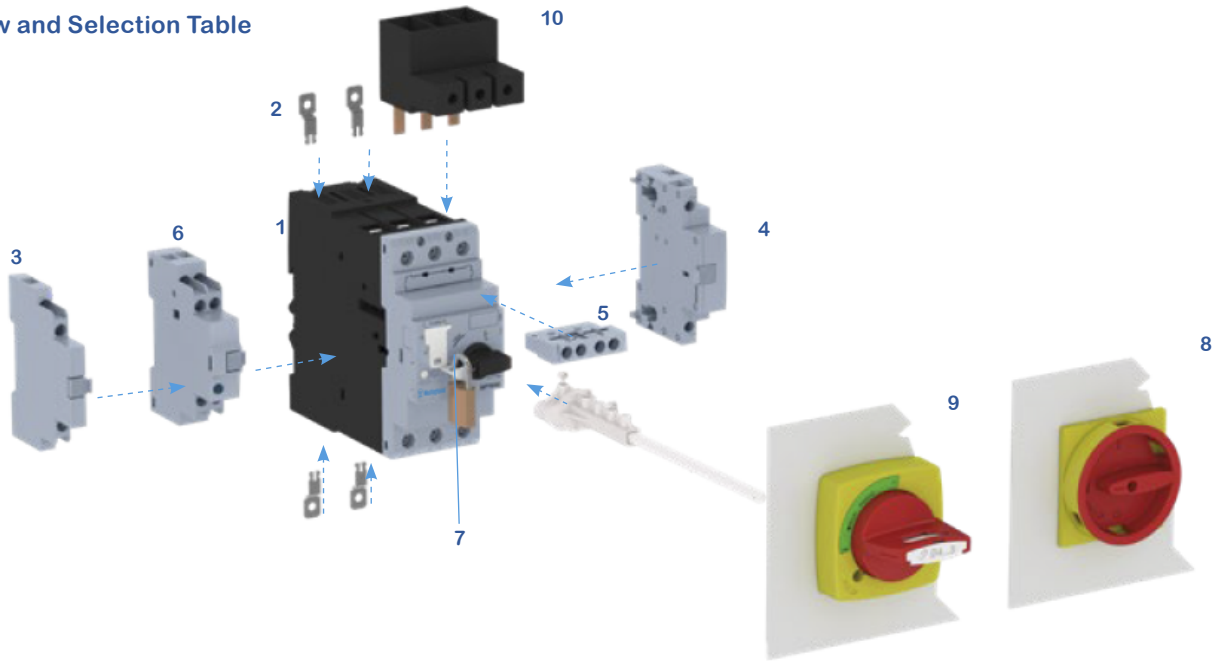
WMPCB40i Motor Protective Circuit Breaker - Magnetic - Short Circuit Protection²⁾

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Instantaneous magnetic trip 13x In  Im (A)	Spring terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW			Reference	Code	
-	-	-	0.16	2.08	WMPCB40i-3-C016	W605559	0.36
-	-	-	0.25	3.25	WMPCB40i-3-C025	W605560	
-	-	0.16 / 0.12	0.4	5.2	WMPCB40i-3-D004	W605561	
-	0.16 / 0.12	0.25 / 0.18	0.63	8.2	WMPCB40i-3-C063	W605562	
0.16 / 0.12	0.33 / 0.25	0.33 / 0.25	1	13	WMPCB40i-3-U001	W605563	
0.33 / 0.25	0.5 / 0.37	1 / 0.75	1.6	20.8	WMPCB40i-3-D016	W605564	
0.5 / 0.37	1 / 0.75	1.5 / 1.1	2.5	32.5	WMPCB40i-3-D025	W605565	
1 / 0.75	2 / 1.5	2 / 1.5	4	52	WMPCB40i-3-U004	W605566	
1.5 / 1.1	3 / 2.2	4 / 3	6.3	82	WMPCB40i-3-D063	W605567	
3 / 2.2	6 / 4.5	7.5 / 5.5	10	130	WMPCB40i-3-U010	W605568	
5 / 3.7	10 / 7.5	12.5 / 9.2	16	208	WMPCB40i-3-U016	W605569	
7.5 / 5.5	12.5 / 9.2	15 / 11	20	260	WMPCB40i-3-U020	W605570	
-	15 / 11	-	25	325	WMPCB40i-3-U025	W605571	
12.5 / 9.2	20 / 15	20 / 15	32	416	WMPCB40i-3-U032	W605572	
15 / 11	25 / 18.5	25 / 18.5	40	520	WMPCB40i-3-U040	W605573	

Notes: 1) The values are only valid for WESTINGHOUSE W22 motors at S1 duty and service factor equal to 1.
2) For magnetic Motor Protective Circuit Breakers (WMPCB40i), it is necessary to use an overload protection device class 10.

WMPCB80 Motor Protective Circuit Breaker

Overview and Selection Table





- 1 - WMPCB80 Motor Protective Circuit Breaker
- 2 - Push-in-lugs WPLMP
- 3 - Side mounting auxiliary contact block WACBS
- 4 - Undervoltage release WURMP or shunt release WSRMP
- 5 - Front mounted auxiliary contact block ACBF
- 6 - Trip signaling block WTSB
- 7 - Scale cover WSCMP
- 8 - Door coupling rotary handle WRMP65
- 9 - Door coupling rotary handle WMRX65
- 10 - WLST25 - Feeder terminal for "Type E"

WMPCB80 Motor Protective Circuit Breaker up to 80 A - Thermomagnetic or Magnetic Only

- ▣ Allows the operation and overload and short circuit protection of electric motor ³⁾
- ▣ Fixed short-circuit release 13 times the maximum circuit breaker rated current
- ▣ With phase-failure sensitivity according to IEC 60947-4-1
- ▣ With temperature compensation
- ▣ For use as main switch (IEC 60947-2)
- ▣ Short-circuit breaking capacity from 65 kA up to 80 A at 380 V ac according to IEC 60947-2
- ▣ Thermomagnetic Motor Protective Circuit Breaker with overload protection (class 10)



WMPCB80 Motor Protective Circuit Breaker - Thermomagnetic - Overload and Short-Circuit Protection

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Overload release setting 	Instantaneous magnetic trip 13x In 	"Box" terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW				Reference	Code	
15 / 11	25 / 18.5	30 / 22	40	32...40	520	WMPCB80-3-U040	W605574	1.07
-	30 / 22	40 / 30	50	40...50	650	WMPCB80-3-U050	W605575	
25 / 18.5	40 / 30	50 / 37	65	50...65	845	WMPCB80-3-U065	W605576	
30 / 22	50 / 37	60 / 45	80	65...80	1,040	WMPCB80-3-U080	W605577	

WMPCB80i Motor Protective Circuit Breaker - Magnetic - Short Circuit Protection ²⁾

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Instantaneous magnetic trip 13x In Im (A)	"Box" terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW			Reference	Code	
15 / 11	25 / 18.5	30 / 22	40	520	WMPCB80i-3-U040	W605578	1.07
-	30 / 22	40 / 30	50	650	WMPCB80i-3-U050	W605579	
25 / 18.5	40 / 30	50 / 37	65	845	WMPCB80i-3-U065	W605580	
30 / 22	50 / 37	60 / 45	80	1,040	WMPCB80i-3-U080	W605581	

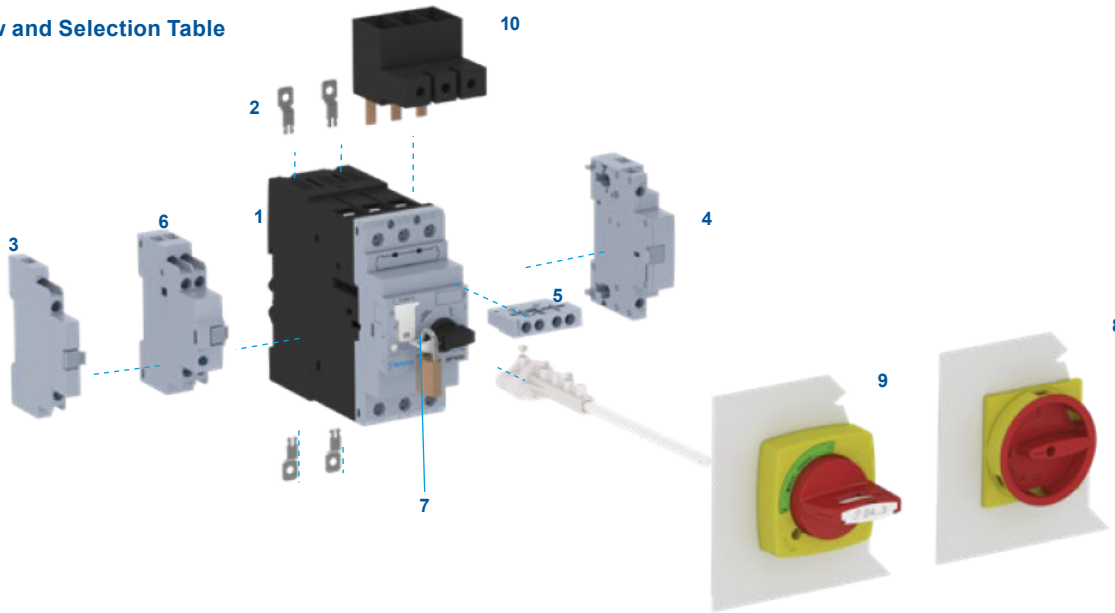
Notes: 1) The values are only valid for WESTINGHOUSE W22 motors at S1 duty and service factor equal to 1.

2) For magnetic Motor Protective Circuit Breakers (WMPCB80i), it is necessary to use an overload protection device class 10.

3) Under process.

WMPCB80 Motor Protective Circuit Breaker

Overview and Selection Table



1

- 1 - WMPCB80 Motor Protective Circuit Breaker
- 2 - Push-in-lugs PLMP
- 3 - Side mounting auxiliary contact block ACBS
- 4 - Undervoltage release URMP or shunt release SRMP
- 5 - Front mounted auxiliary contact block ACBF
- 6 - Trip signaling block TSB
- 7 - Scale cover SCMP
- 8 - Door coupling rotary handle RMMP65
- 9 - Door coupling rotary handle MRX65
- 10 - LST25 - Feeder terminal for "Type E" motor starter according to UL

WMPCB80 Motor Protective Circuit Breaker up to 80 A - Thermomagnetic or Magnetic Only

- Allows the operation and overload and short circuit protection of electric motor
- Fixed short-circuit release 13 times the maximum circuit breaker rated current
- With phase-failure sensitivity according to IEC 60947-4-1
- With temperature compensation
- For use as main switch (IEC 60947-2)
- Short-circuit breaking capacity from 65 kA up to 80 A at 380 V ac according to IEC 60947-2
- Thermomagnetic Motor Protective Circuit Breaker with overload protection (class 10)



WMPCB80 Motor Protective Circuit Breaker - Thermomagnetic - Overload and Short-Circuit Protection

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Overload release setting 	Instantaneous magnetic trip 13x In 	"Box" terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW				Reference	Code	
15 / 11	25 / 18.5	30 / 22	40	32...40	520	WMPCB80-3-U040	W605634	1.07
-	30 / 22	40 / 30	50	40...50	650	WMPCB80-3-U050	W605635	
25 / 18.5	40 / 30	50 / 37	65	50...65	845	WMPCB80-3-U065	W605636	
30 / 22	50 / 37	60 / 45	80	65...80	1,040	WMPCB80-3-U080	W605637	

WMPCB80i Motor Protective Circuit Breaker - Magnetic - Short Circuit Protection ²⁾

Reference values for selecting protection of three-phase electric motors 60 Hz - 4 poles ¹⁾			Rated current In (A)	Instantaneous magnetic trip 13x In 	"Box" terminal		Weight kg
220-240 V cv / kW	380-415 V cv / kW	440-480 V cv / kW			Reference	Code	
15 / 11	25 / 18.5	30 / 22	40	520	WMPCB80i-3-U040	W605638	1.07
-	30 / 22	40 / 30	50	650	WMPCB80i-3-U050	W605639	
25 / 18.5	40 / 30	50 / 37	65	845	WMPCB80i-3-U065	W605640	
30 / 22	50 / 37	60 / 45	80	1,040	WMPCB80i-3-U080	W605641	

Notes: 1) The values are only valid for WESTINGHOUSE W22 motors at S1 duty and service factor equal to 1.

2) For magnetic Motor Protective Circuit Breakers (WMPCB80i), it is necessary to use an overload protection device class 10.