

## MPW40 Motor Protective Circuit Breaker - Selection Table

### MPW40 Motor Protective Circuit Breaker up to 40 A (Screw Terminal) - Thermomagnetic or Magnetic Only

- With overload and short-circuit protection
- Fixed short-circuit release 13 x I<sub>n</sub>
- With phase-failure sensitivity according to IEC 60947-4-1
- With temperature compensation
- For use as main switch (IEC 60947-2)
- Rotary handle operated
- For use as main switch



### MPW40 Motor Protective Circuit Breaker - Thermomagnetic - Overload and Short-Circuit Protection

Reference values for selecting protection of three-phase electric motors <sup>1)</sup>						Rated current I <sub>n</sub> (A)	Setting overload release I <sub>n</sub> (A)	Instantaneous magnetic trip 13 x I <sub>n</sub> I <sub>m</sub> (A)	Screw terminal	Weight kg
220-240 V kW / HP	380-415 V kW / HP	440-480 V kW / HP	500 V kW / HP	550-600 V kW / HP	690 V kW / HP				Reference code	
-	-	-	-	-	-	0.16	0.1...0.16	2.08	MPW40-3-C016	0.36
-	-	-	-	-	0.12 / 0.16	0.25	0.16...0.25	3.25	MPW40-3-C025	
-	-	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.18 / 0.25	0.4	0.25...0.4	5.2	MPW40-3-D004	
-	0.12 / 0.16	0.18 / 0.25	0.18 / 0.25	0.25 / 0.33	0.25 / 0.33	0.63	0.4...0.63	8.2	MPW40-3-C063	
0.12 / 0.16	0.25 / 0.33	0.25 / 0.33	0.37 / 0.5	0.37 / 0.5	0.55 / 0.75	1	0.63...1	13	MPW40-3-U001	
0.25 / 0.33	0.37 / 0.5	0.75 / 1	0.75 / 1	0.75 / 1	1.1 / 1.5	1.6	1...1.6	20.8	MPW40-3-D016	
0.37 / 0.5	0.75 / 1	1.1 / 1.5	1.1 / 1.5	1.1 / 1.5	1.5 / 2	2.5	1.6...2.5	32.5	MPW40-3-D025	
0.75 / 1	1.5 / 2	1.5 / 2	1.5 / 2	2.2 / 3	3 / 4	4	2.5...4	52	MPW40-3-U004	
1.1 / 1.5	2.2 / 3	3 / 4	3 / 4	3.7 / 5	4 / 5.5	6.3	4...6.3	82	MPW40-3-D063	
2.2 / 3	4.5 / 6	5.5 / 7.5	4 / 5.5	5.5 / 7.5	7.5 / 10	10	6.3...10	130	MPW40-3-U010	
3.7 / 5	7.5 / 10	9.2 / 12.5	9.2 / 12.5	11 / 15	11 / 15	16	10...16	208	MPW40-3-U016	
5.5 / 7.5	9.2 / 12.5	11 / 15	11 / 15	-	15 / 20	20	16...20	260	MPW40-3-U020	
-	11 / 15	-	15 / 20	15 / 20	18.5 / 25	25	20...25	325	MPW40-3-U025	
9.2 / 12.5	15 / 20	15 / 20	18.5 / 25	22 / 30	22 / 30	32	25...32	416	MPW40-3-U032	
11 / 15	18.5 / 25	18.5 / 25	22 / 30	-	37 / 50	40	32...40	520	MPW40-3-U040	

### MPW40i Motor Protective Circuit Breaker - Magnetic - Short-Circuit Protection<sup>2)</sup>

Reference values for selecting protection of three-phase electric motors <sup>1)</sup>						Rated current I <sub>n</sub> (A)	Instantaneous magnetic trip 13 x I <sub>n</sub> I <sub>m</sub> (A)	Screw terminal	Weight kg
220-240 V kW / HP	380-415 V kW / HP	440-480 V kW / HP	500 V kW / HP	550-600 V kW / HP	690 V kW / HP			Reference code	
-	-	-	-	-	-	0.16	2.08	MPW40i-3-C016	0.36
-	-	-	-	-	0.12 / 0.16	0.25	3.25	MPW40i-3-C025	
-	-	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.18 / 0.25	0.4	5.2	MPW40i-3-D004	
-	0.12 / 0.16	0.18 / 0.25	0.18 / 0.25	0.25 / 0.33	0.25 / 0.33	0.63	8.2	MPW40i-3-C063	
0.12 / 0.16	0.25 / 0.33	0.25 / 0.33	0.37 / 0.5	0.37 / 0.5	0.55 / 0.75	1	13	MPW40i-3-U001	
0.25 / 0.33	0.37 / 0.5	0.75 / 1	0.75 / 1	0.75 / 1	1.1 / 1.5	1.6	20.8	MPW40i-3-D016	
0.37 / 0.5	0.75 / 1	1.1 / 1.5	1.1 / 1.5	1.1 / 1.5	1.5 / 2	2.5	32.5	MPW40i-3-D025	
0.75 / 1	1.5 / 2	1.5 / 2	1.5 / 2	2.2 / 3	3 / 4	4	52	MPW40i-3-U004	
1.1 / 1.5	2.2 / 3	3 / 4	3 / 4	3.7 / 5	4 / 5.5	6.3	82	MPW40i-3-D063	
2.2 / 3	4.5 / 6	5.5 / 7.5	4 / 5.5	5.5 / 7.5	7.5 / 10	10	130	MPW40i-3-U010	
3.7 / 5	7.5 / 10	9.2 / 12.5	9.2 / 12.5	11 / 15	11 / 15	16	208	MPW40i-3-U016	
5.5 / 7.5	9.2 / 12.5	11 / 15	11 / 15	-	15 / 20	20	260	MPW40i-3-U020	
-	11 / 15	-	15 / 20	15 / 20	18.5 / 25	25	325	MPW40i-3-U025	
9.2 / 12.5	15 / 20	15 / 20	18.5 / 25	22 / 30	22 / 30	32	416	MPW40i-3-U032	
11 / 15	18.5 / 25	18.5 / 25	22 / 30	-	37 / 50	40	520	MPW40i-3-U040	

Notes: 1) For 50/60 Hz three-phase, 4 poles WEG W22 standard motors. These values are only for reference and may change on the number of poles and motor design.

2) For overload protection, it is suggested the use of RW27-2D thermal overload relay.