

CWM Series - IEC Standard Contactors

Control circuit ratings - AC Coil

TYPE	CWM9	CWM12	CWM18	CWM25	CWM32	CWM40	CWM50	CWM65	CWM80	CWM95	CWM105	
Rated Insulation Voltage Ui												
Acc. IEC; VDE 0660 [V]						1000						
Acc. UL; CSA [V]						600						
Rated Operating Voltage Ue												
Acc. IEC; VDE 0660 [V]						690						
Acc. UL; CSA [V]						600						
Standard Voltages 60Hz [V]						24...600						
Coil Operating limits												
Monofrequency coils xUc [V]						0.85...1.1						
Pick-up xUc [V]	0.4...0.76					0.5...0.76		0.5...0.76				
Drop-out xUc [V]	0.25...0.65					0.3...0.65		0.25...0.6				
Operating Time												
Coil energization - N.O. [ms]	8...20					10...19		15...30				
Coil de-energization - N.O. [ms]	6...13					5...25		9...15				
Coil Consumption												
Single coils												
Sealed [VA]	4...7.2					6.6...12.5		13.1...19.1				
Inrush [VA]	70					98		255				
Thermal Power Dissipation												
60Hz [W]	2.6					4.3		8.0				
Power Factor												
Closed Cos phi	0.28					0.34		0.32				
Opened Cos phi	0.85					0.69		0.54				
Stranded / Solid [AWG] (UL / CSA)	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	

Control circuit ratings - DC Coil

TYPE	CWM9	CWM12	CWM18	CWM25	CWM32	CWM40	CWM50	CWM65	CWM80	CWM95	CWM105	
Rated Insulation Voltage Ui												
Acc. IEC; VDE 0660 [V]						1000						
Acc. UL; CSA [V]						600						
Standard Voltages [V]	12...440				24...240		24...240					
Coil Operating limits												
Pick-up xUc [V]						0.85...1.1						
Drop-out xUc [V]	0.4...0.7					0.45...0.75		0.7...0.8				
	0.15...0.4					0.15...0.45		0.4...0.6				
Operating Time												
Coil energization - N.O. [ms]	35...45					40...55		50...60				
Coil de-energization - N.O. [ms]	7...12					30...65		55...60				
Coil Consumption												
Sealed [W]	3.8...9.0					6		6.5				
Inrush [W]	3.8...9.0					240		340				
Stranded / Solid [AWG] (UL / CSA)	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	2x12-10	