



## MIRA

### Contactor Specifications

3-Pole, 9~95 Amp Contactors  
AC or DC Coil Voltages

NEMA Sized

Frame Size		32AF					63AF				95AF				
Model		MRC-9	MRC-12	MRC-18	MRC-25	MRC-32	MRC-35	MRC-40	MRC-50	MRC-63	MRC-65	MRC-75	MRC-85	MRC-95	
Type	Screw clamp terminals	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Lug terminals	-	-	-	-	-	•	•	•	•	•	•	•	•	
Number of poles		3					3				3				
Rated operational voltage, U <sub>e</sub>		690V					690V				690V				
<b>Rated insulation voltage, U<sub>i</sub></b>															
Conforming to IEC947-4-1		1000V					1000V				1000V				
Conforming to UL, CSA		600V					600V				600V				
Rated impulse withstand voltage, U <sub>imp</sub>		8kV					8kV				8kV				
Degree of pollution (IEC60529)		IP20					IP20				IP20				
<b>Rated operational current I<sub>e</sub> (θ ≤ 55 °C)</b>															
AC-1 AC-3	U <sub>e</sub> max 690V	[A]	25	25	40	40	50	55	60	70	75	100	110	135	140
	200/240V	[A]	11	13	18	25	32	35	40	55	63	65	75	85	95
	380/400V	[A]	9	12	18	25	32	35	40	50	63	65	75	85	95
	415V	[A]	9	12	18	25	32	35	40	50	63	65	75	85	95
	440V	[A]	9	12	18	25	32	35	40	50	63	65	75	85	95
	500V	[A]	7	12	13	22	28	30	32	43	45	60	64	75	85
	690V	[A]	5	9	9	18	20	21	23	28	30	35	42	45	50
	<b>UL 508</b>														
NEMA size		00	-	0	-	1	-	1P	2	-	-	-	3	-	
Rated thermal current (I <sub>th</sub> )		[A]	25	25	40	40	50	55	65	70	75	100	110	135	140
Single Phase	115V	[HP]	1/2	3/4	1	2	2	2	3	3	5	5	5	7.5	10
	230V	[HP]	1.5	2	3	3	5	5	7.5	10	10	15	15	15	20
	200V	[HP]	2	3	5	7.5	7.5	10	15	20	20	25	25	30	30
Three Phase	230V	[HP]	3	5	7.5	10	10	15	20	25	25	30	30	40	40
	460V	[HP]	5	7.5	10	15	20	25	30	40	40	50	50	60	75
	575V	[HP]	7.5	10	15	20	25	30	40	50	50	60	60	75	75
<b>IEC947-4-1</b>															
Rated making capacity AC-3		250					250				250				
Rated breaking capacity AC-3		200					200				200				
Mechanical durability (M of cycles)		15	15	15	15	15	12	12	12	12	12	12	12	12	12
Electrical life for I <sub>e</sub> /AC-3 max (M of cycles)		2.5	2.5	2.5	2.5	2.5	2	2	2	2	2	2	2	2	2
Maximum cycles per hour		1800	1800	1800	1800	1800	1200	1200	1200	1200	1200	1200	1200	1200	1200
<b>AC control coil voltage operated contactors</b>															
Weight		[lbs]	0.99			2.07				4.00					
Dimensions (W x H x D)		[in]	1.77 x 3.27 x 3.66			2.17 X 4.17 X 4.80				2.76 X 5.51 X 5.39					
Coil Consumption	Inrush [VA]	80					120				220				
	Holding [VA]	9					7				16				
<b>DC control coil voltage operated contactors</b>															
Weight		[lbs]	1.39			2.64				5.94					
Dimensions (W x H x D)		[in]	1.77 x 3.27 x 4.65			2.17 X 4.17 X 6.32				2.76 X 5.51 X 6.79					
Coil Consumption	Inrush [VA]	7					9				18				
	Holding [VA]	7					9				18				



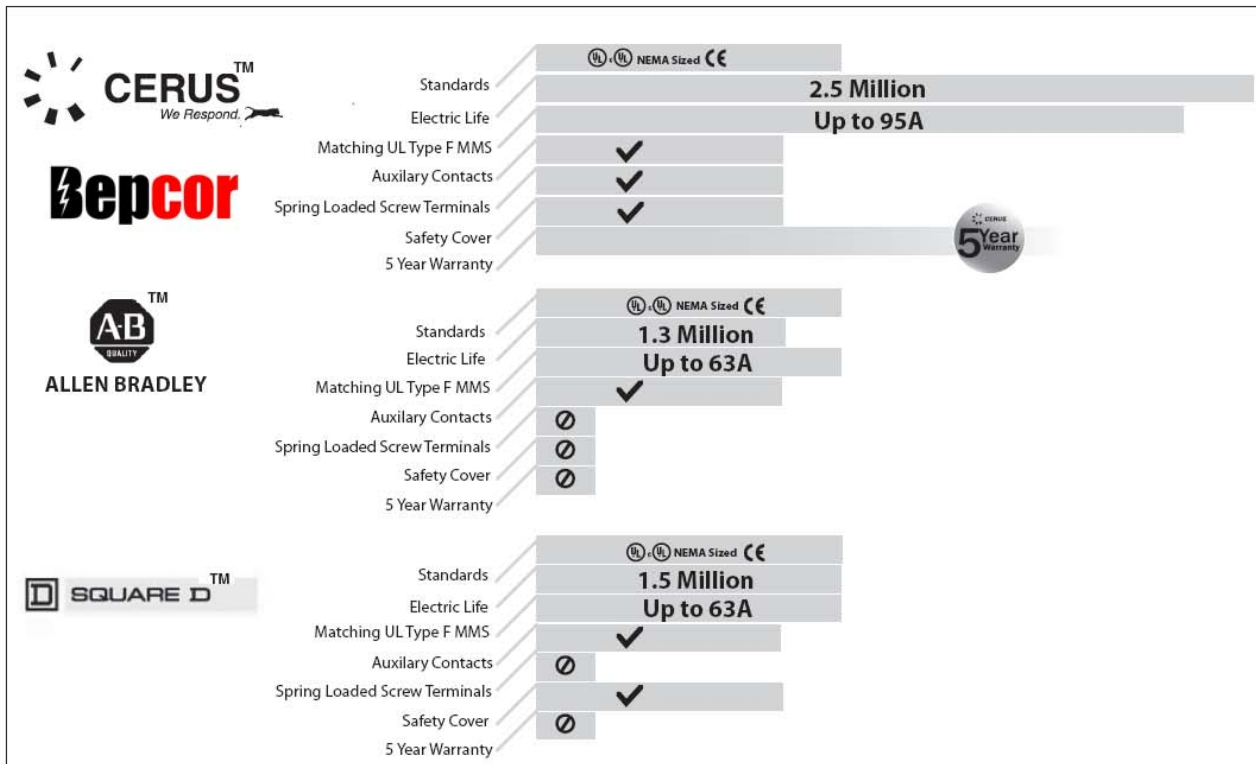
## MIRA

### Overload Specifications

9~95 Amp Overloads  
Differential Class 10



Relay type	MTK-32		MTK-63		MTK-95	
Tripping class (IEC 60947-4-1)	10	10	10	10	10	10
Number of poles	3	3	3	3	3	3
Rated operational voltage (U <sub>e</sub> )	Up to 690V	Up to 690V	Up to 690V	Up to 690V	Up to 690V	Up to 690V
Rated insulation voltage (U <sub>i</sub> )	690V	690V	690V	690V	690V	690V
Rated impulse voltage (U <sub>imp</sub> )	6kV	6kV	6kV	6kV	6kV	6kV
Temperature compensation °C	-5 ~ 40	-5 ~ 40	-5 ~ 40	-5 ~ 40	-5 ~ 40	-5 ~ 40
Dimensions (W x H x D) [in]	2.1 x 1.8 x 3.4	2.8 x 2.2 x 3.8		3.3 x 2.8 x 4.2		
Weight (kg)	0.17	0.31	0.31	0.48	0.48	
<b>Functions</b>						
Differential, Phase Failure	•	•	•	•	•	
Trip Indicating	•	•	•	•	•	
Stop	•	•	•	•	•	
Test	•	•	•	•	•	
Manual/Automatic Reset	•	•	•	•	•	
Terminal type	Screw clamp	Screw	Lug	Screw	Lug	



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