

# Type MS116

For applications up to 32A

**Suitable applications:**

- Single motor, suitable as motor disconnect
- Group motor installation



Frame Sz. 1  
MS116-0.16...MS116-16



Frame Sz. 2  
MS116-20...MS116-32

**MS116 Electrical ratings**

Thermal setting range (A)	Trip class	Rated operational current I <sub>0</sub> (A)	Rated instantaneous short-circuit current setting I <sub>1</sub> (A)	AC Motor ratings, breaking all lines, 50/60 Hz (hp)					Catalog number	
				Single phase ②		Three phase				
				120V	240V	240V	480V	600V		
0.10...0.16	10A	0.16	1.56	Horsepower not applicable; use upper limit of the device thermal setting range for rated full-load current in Amperes					MS116-0.16	
0.16...0.25	10A	0.25	2.44						MS116-0.25	
0.25...0.40	10A	0.40	3.90						MS116-0.4	
0.40...0.63	10A	0.63	6.14						MS116-0.63	
0.63...1.0	10A	1.00	11.5					1/2	MS116-1.0	
1.0...1.6	10A	1.60	18.4		1/10			3/4	MS116-1.6	
1.6...2.5	10A	2.50	28.8		1/6	1/2		1	1.5	MS116-2.5
2.5...4.0	10A	4.00	50.0	1/8	1/3	1		2	3	MS116-4.0
4.0...6.3	10A	6.30	78.8	1/4	1/2	1.5		3	5	MS116-6.3
6.3...10.0	10A	10.0	150	1/2	1.5	3		5	7.5	MS116-10
8.0...12.0	10A	12.0	180	1/2	2	3		7.5	10	MS116-12
10.0...16.0	10A	16.0	240	1	2	5		10	10	MS116-16
16.0...20.0	10A	20.0	300	1.5	3	5		10	15	MS116-20
20.0...25.0	10A	25.0	375	2	3	7.5		15	20	MS116-25
25.0...32.0	10A	32.0	480	2	5	10		20	25	MS116-32

**MS116 Short circuit current ratings (kA)**

Catalog number	UL 508 - Motor controllers, manual (NLRV)				UL 508 - Combination motor controllers (NKJH)							
	Max. fuse size (A)	Fuse class	Circuit breaker	Motor disconnect ③		Group motor installation		Self-protected Type E		Self-protected Type F		
				240V / 480V	600V	240V / 480V	600V	480Y / 277V	600Y / 347V	480Y / 277V	600Y / 347V	Type F contactors
MS116-0.16	200	J	No rating	30	5	30	5	Use Type MS132				
MS116-0.25				30	5	30	5					
MS116-0.4				30	5	30	5					
MS116-0.63				30	5	30	5					
MS116-1.0				30	5	30	5					
MS116-1.6				30	5	30	5					
MS116-2.5				30	5	30	5					
MS116-4.0				18	5	18	5					
MS116-6.3				18	5	18	5					
MS116-10				18	5	18	5					
MS116-12				18	5	18	5					
MS116-16				18	5	18	5					
MS116-20				18	5	18	5					
MS116-25				18	5	18	5					
MS116-32				18	5	18	5					

① Always size manual motor protectors based on the full-load current of the motor.  
 ② For single phase connection diagram see page 4.17.  
 ③ Suitable as motor disconnect only when provide with padlock adaptor SA1 or SA3; see accessories section.