

Product Details and Certifications

Cross Reference RA Part Number: 199-MSMA1 A

 **Product: 199-MSMA1**

Description: Surge Suppressor Resistor Capacitor 110/280V AC



Representative Photo Only (actual product may vary based on configuration sections)

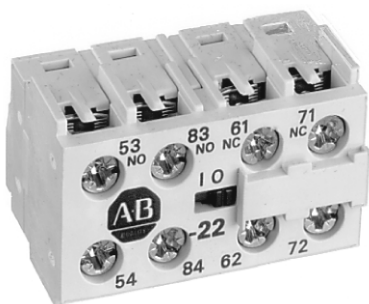
ACCESSORY SELECTION

Bulletin Number	700-M Miniature Industrial Control Relays Accessories
Accessory Selection	Individual Accessory Selection

DIMENSIONS AND WEIGHT

Weight (Kg / Lbs)	0.00 / 0.00
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Auxiliary Contact Adder Decks



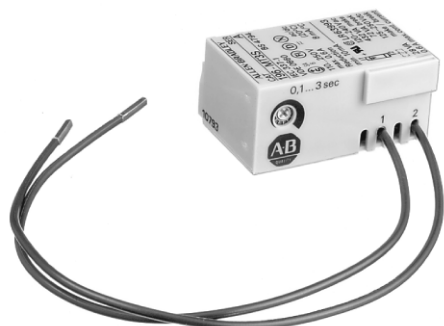
For Use with 700-MB Relays		
Contact Configuration	Pkg. Qty.	Cat. No. ①
1 N.O.–1 N.C.	10	195-MA11
2 N.O.	10	195-MA20
2 N.C.	10	195-MA02
2 N.O.–2 N.C.	10	195-MA22
4 N.O.	10	195-MA40
1 N.O.–3 N.C.	10	195-MA13
4 N.C.	10	195-MA04

Surge Suppressors



Description		Pkg. Qty.	Cat. No. ①
R-C Suppressor	24...48V AC	10	199-MSMA48
	110...280V AC	10	199-MSMA1
MOV Suppressor	12...55V AC	10	199-MSMV1
	56...136V AC	10	199-MSMV2
	137...277V AC	10	199-MSMV3
Diode Suppressor	12...250V DC	10	199-MSMD1

Timers



Description		Pkg. Qty.	Cat. No. ①
Solid State Timing Element 110...250V 50/60 Hz, DC	0.1...3 s On-Delay	10	196-MT3S
	1...30 s On-Delay	10	196-MT30S
Star-Delta Timer 1...30 s The Star (K3) contactor is energized for the time setting and de-energized. Then after 90 ± 30 ms the Delta (K2) contactor is energized.	220...250V 50/60Hz	10	196-MTSDA2
	110...120V 50/60 Hz	10	196-MTSDA1
35 mm DIN Rail Mounting Adapter For Above Timers		10	196-MTM

①All Cat. Nos. are factory stocked.