

 SQUARE D COMPANY

# **LINEARC**

## Type M Contactor

# The **LINEARC** Type M Contactor. Time-Proven Dependability, Totally Front- Connected Design, And More Than 50 Years Of Crane And Mill Experience.

Simply stated, the LineArc Type M Contactor from Square D is the best mill duty contactor in the industry.

For good reasons.

It's a heavy duty contactor that uses the Square D LineArc arc interrupting principle, for long contact tip life and minimal arc chute wear.

The rugged construction is ideally suited to applications where heavy vibration or severe atmospheric conditions exist, and

it's specially designed to eliminate surfaces where conductive dust could accumulate.

All contactor parts are accessible from the front, for easy maintenance.

And the arc chute is pivoted upward, for fast and easy contact tip inspection and replacement.

The Class 7004 dc contactor is available in normally open and normally closed single pole versions from NEMA Sizes 1 through 8.

The Class 8503 ac contactor, similar to

the dc version, uses a dc operating coil with laminated blowout ears and blowout core, and is available in the single pole normally open version from NEMA Sizes 2 through 6.

Tie bar kits are used to mechanically tie together ac or dc single pole contactors to make multi-pole contactors.



**SQUARE D COMPANY**

*Dedicated to Growth • Committed to Quality*

**LineArc Wires**-LineArc wires connect the arc transfer plate in the arc chute to the movable contact assembly. During arc interruption, the arc is quickly transferred from the movable contact tip to the arc transfer plate and centered inside the arc chute.

**Power Terminations**

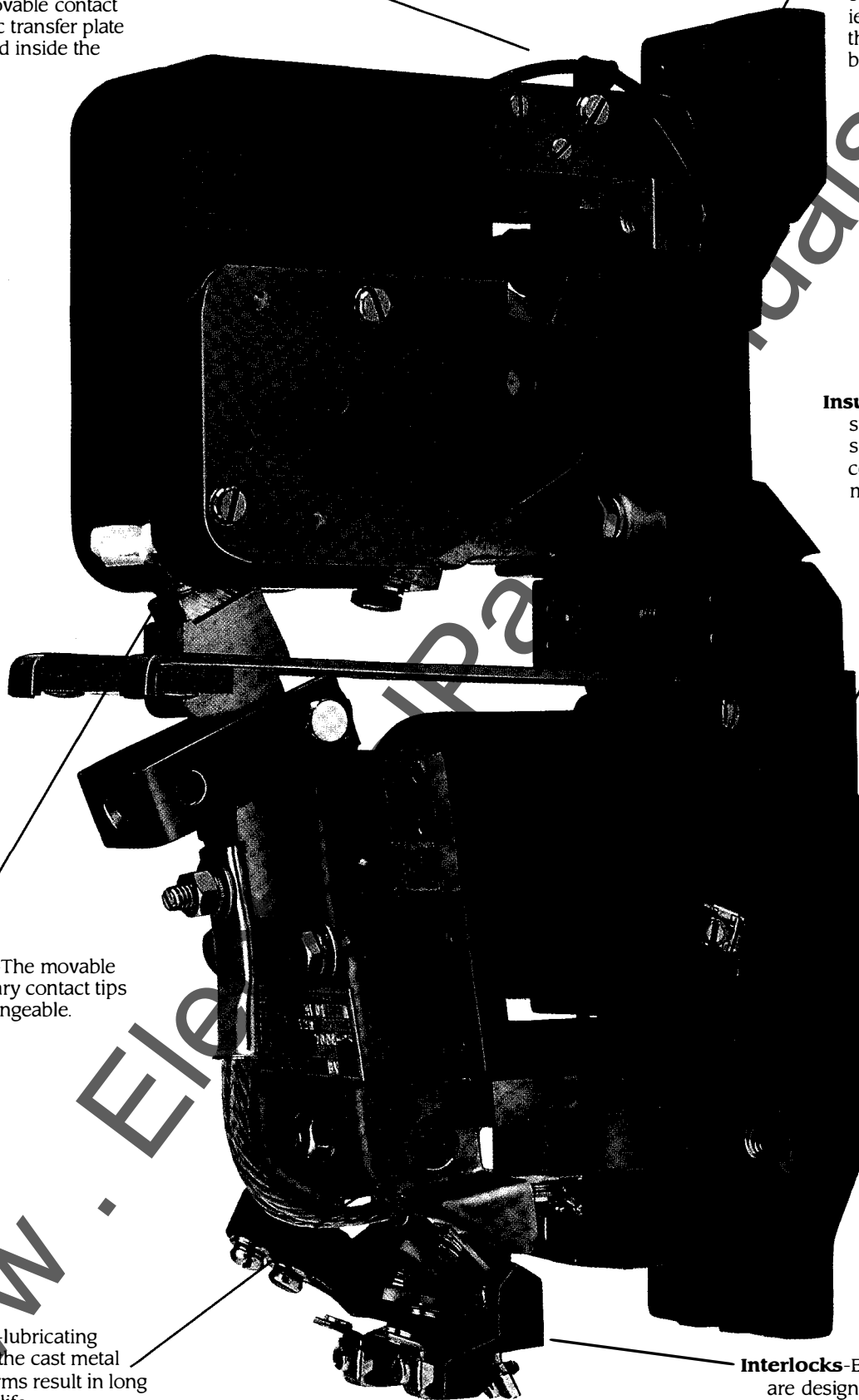
Rugged power terminations on both sides of the contactor allow easy wiring of line and load connections. A convenient wire accessway in the contactor base can be used for control wiring.

**Insulator Base**-The high strength glass polyester insulator base allows the contactor to be conveniently mounted on a steel panel.

**Contact Tips**-The movable and stationary contact tips are interchangeable.

**Bearings**-Self-lubricating bearings in the cast metal operating arms result in long mechanical life.

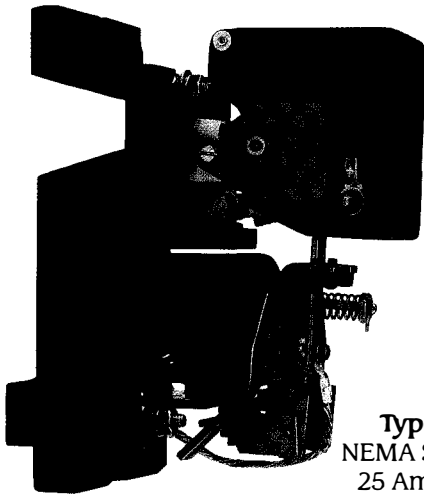
**Interlocks**-Electrical interlocks are designed to permit easy access for inspection and maintenance. The contacts are oriented to minimize dust build-up.



# The Complete Line

## NEMA Sizes 1&2

The NEMA Size 1 and 2 contactors are designated as type MX. These contactors use stamped metal operating arms with sleeve bearings. A single Line-Arc® wire is used to connect the arc transfer plate in the arc chute to the movable contact terminal.



**Type MX**  
NEMA Size 1  
25 Ampere  
S.P.N.O. Contactor

## NEMA Sizes 3-8

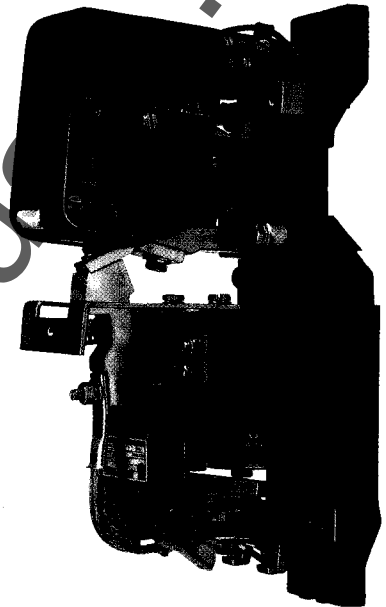
Type M contactors are available in NEMA Sizes 3 through 8.



**Type M**  
NEMA Size 8  
1350 Ampere  
S.P.N.O. Contactor

## Normally Closed Contactor

A single spring holds the contactor closed and provides contact tip pressure.



## Ratings

Type M and Type MX contactors are rated in accordance with NEMA standards and are designed to meet UL and CSA requirements.

### AC Contactors Class 8503

Maximum Volts ac 60 Hz	NEMA Size	Open 8 Hr. Ampere Rating
600	2	50
	3	100
	4	150
	5	300
	6	600
	6	600

### DC Contactors Class 7004

Maximum Volts dc	NEMA Size	Open 8 Hr. Ampere Rating
600	1	25
	2	50
	3	100
	4	150
	5	300
	6	600
	6A+	810
	7	900
	8	1350

+ Not a NEMA Size/Rating

## Accessories

Electrical interlocks, mechanical interlocks, tie bars, and timers are available in kits and can be quickly added to the contactor. The same electrical interlock kit is used on all contactors.



**SQUARE D COMPANY**

*Dedicated to Growth • Committed to Quality*

For further information, consult your local Square D sales office or call or write Square D Company • P.O. Box 27446 • Raleigh, NC 27611 • (919) 266-3671.