

FEATURES



MECHANICALLY INTERLOCKED
UP TO 3 POLE SWITCHING
INDEPENDENT FORWARD / REVERSE COILS
5 AMP AUXILIARY SWITCH AVAILABLE

CONTACT LOAD RATINGS TABLE

LOAD VOLTAGE	PHASE	MOTOR LOAD	RESISTIVE LOAD
120 VAC	1-2-3	1 HP	15 AMPS (AC1)
240 VAC	1	1.5 HP	10 AMPS (AC1)
240 VAC	2-3	3 HP	10 AMPS (AC1)
480/600 VAC	2-3	3 HP	5 AMPS (AC1)
30 VDC	-	-	15 AMPS (DC1)
125 VDC	-	-	5 AMPS (DC1)

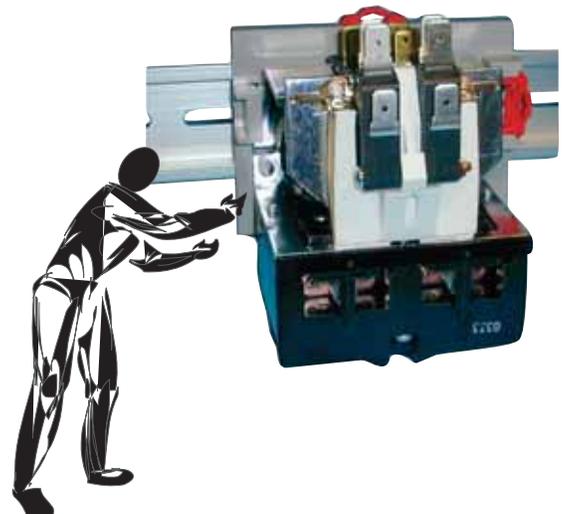
NOTE: AC CONTACTS RATED WITH ALL CONTACTS IN USE, NOT RATED PER POLE.

GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz): \leq	% of nominal	85
Pull-in Voltage DC: \leq	% of nominal	80
Dropout Voltage AC (50/60 Hz): \geq	% of nominal	10
Dropout Voltage DC: \geq	% of nominal	10
Maximum Voltage:	% of nominal	110
Resistance Tolerance:	% \pm	10
Coil Power AC (50/60 Hz):	VA	14
Coil Power DC:	W	4.6
Insulation System		
Per UL Standard 1446:		Class B (130 °C)
Duty:		Continuous
CONTACTS		
Material:		Silver alloy, gold flashed
Minimum Recommended Load:	amps	1 @ 5 VDC or 5 W
TIMING		
Operate Time @ Nominal voltage:	ms	50
Release Time @ Nominal voltage:	ms	30
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	2500
Across Open Contacts:	V rms	1500
Pole to Pole:	V rms	1500
Contacts to Frame:	V rms	2500
Insulation Resistance:	megohms	1000 @ 500
	minimum@VDC	
TEMPERATURE		
Operating, AC Lower:	°C	-40
Operating, AC Upper:	°C	+50
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+70
Storage, Lower:	°C	-55
Storage, Upper:	°C	+100
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	2,000,000
MISCELLANEOUS		
Operating Position:		Any
Coil Terminals:		0.25 Inch
		quick connect, male
Contact Terminals:		0.25 Inch
		quick connect, male
Weight:		455

THE SERIES A275 IS A COMPACT, 2-COIL, MECHANICALLY INTERLOCKED MOTOR REVERSING CONTACTOR. APPLICATIONS INCLUDE:

INDUSTRIAL DOOR OPERATORS, ELECTRIC HOISTS AND ELECTRONIC WHEEL BALANCING. THE A275 HAS 1/4" QUICK CONNECT TERMINALS ON THE COILS, CONTACTS AND AUXILIARY SWITCHES. THE MECHANICAL INTERLOCK WILL NOT JAM, EVEN IF BOTH COILS ARE SIMULTANEOUSLY ENERGIZED.

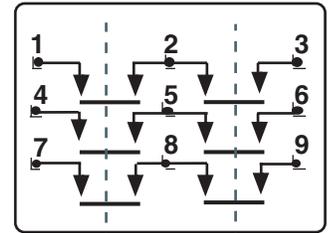
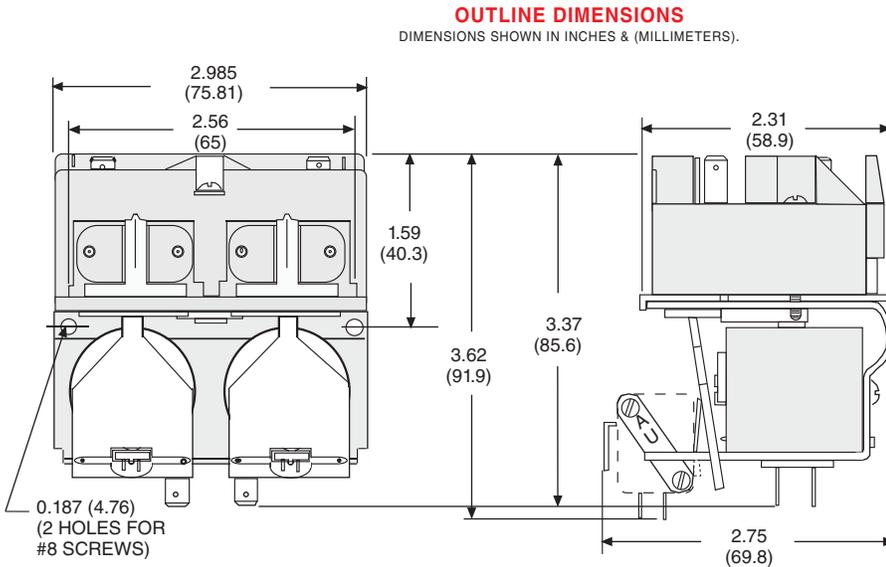


A275 MOTOR REVERSING CONTACTOR



UP TO 3 HP, 15 AMPS

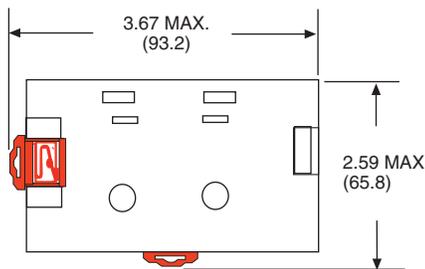
WIRING DIAGRAM



MECHANICAL INTERLOCK

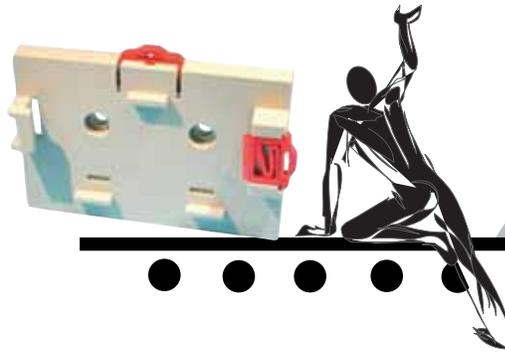
AUXILIARY CONTACT SNAP SWITCHES

COILS



OPTIONAL DIN ADAPTER 16-275DIN-1

ORDERED AND SHIPPED SEPARATELY



ORDERING CODE

A275 **KXX** **90** **-24A**

CLASS: 3 POLE CONTACTOR

CONTACT ARRANGEMENTS: KXX (3PDM-NO., PER COIL)

OPTIONS:
LEAVE BLANK - STANDARD CONTACTOR
2 AUX. CONTACTS, EACH SPDT (1 PER COIL) 0.250 QUICK CONNECT TERMINALS - **CODE 90**
4 AUX. CONTACTS, EACH SPDT (2 PER COIL) 0.250 QUICK CCONNECT TERMINALS - **CODE 91**
RECTIFIED COIL - **CODE V2**

COIL VOLTAGE:
24 & 120 ADD "A" FOR AC COILS
24 ADD "D" FOR DC COILS

STANDARD PART NUMBERS	COIL MEASURED @ 25 °C	
	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED		
A275KXX-24A	24 / 24 VAC 50/60 Hz	4.8 Ω
A275KXX-120A	120 / 120 VAC 50/60 Hz	125 Ω
A275KXX90-24A	24 / 24 VAC 50/60 Hz	4.8 Ω
A275KXX90-120A	120 / 120 VAC 50/60 Hz	125 Ω
A275KXX91-24A	24 / 24 VAC 50/60 Hz	4.8 Ω
A275KXX91-120A	120 / 120 VAC 50/60 Hz	125 Ω
DC OPERATED		
A275KXX-24D	24 / 24 VDC	125 Ω
A275KXX90-24D	24 / 24 VDC	125 Ω
A275KXX91-24D	24 / 24 VDC	125 Ω

OTHER COIL VOLTAGES ARE AVAILABLE ON SPECIAL ORDER. CONTACT FACTORY FOR DETAILS