SQUARE D™

by Schneider Electric

60 A Mechanically Held Lighting Contactor, Class 8903 Type SP

This lighting contactor is suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes, 600 V~ maximum, when protected by branch-circuit overcurrent protection in accordance with the National Electrical Code® (NEC) and/or other applicable electrical codes.

For circuits delivering more than 5000 rms symmetrical amperes, 600 V~, refer to bulletin 30072-013-84 for overcurrent protection and enclosure requirements.

Power Wiring

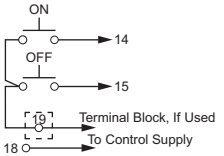
Power lugs suitable for Cu or Al conductors only. Sized for 60 °C wire ampacity, rated 60 °C minimum or sized for 75 °C wire ampacity, rated 75 °C minimum.

Lug torque requirements:
line and load: 50 lb-in (5.65 N•m).

Control Wiring

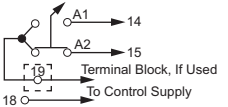
Control circuit conductors must be protected against overcurrent in accordance with applicable electrical codes. This may require the installation of protective devices not shown in the control circuit diagrams. Fuseholder kit 9999SF4 is available to allow compliance.

On-Off Push Button

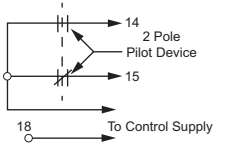


On-Off Selector Switch

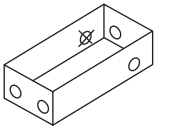
A1	X	
A2		X
	ON	OFF



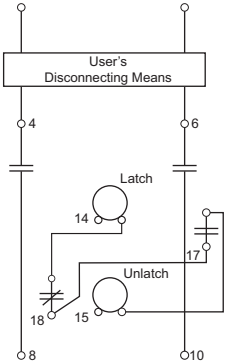
2-Pole Pilot Device



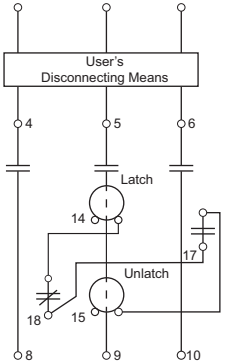
NOTE: The side knockout in a NEMA 1 enclosure must not be used with 4- and 5-pole contactors because of insufficient electrical space between the left-hand power terminal and the conduit bushing.



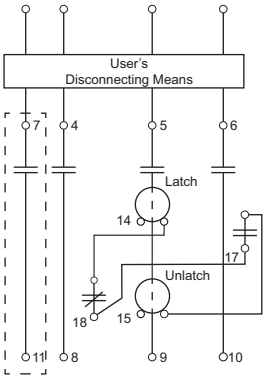
2-Pole Controller Diagram



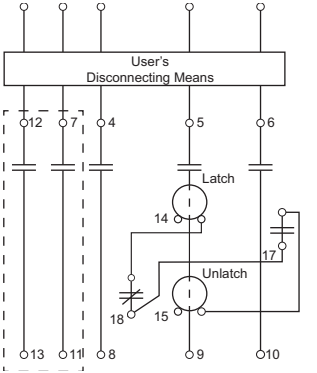
3-Pole Controller Diagram



4-Pole Controller Diagram



5-Pole Controller Diagram



30072-315-31
Rev. 02, 02/2017

SQUARE D™

by Schneider Electric

Contactor de alumbrado mecánicamente sostenido de 60 A, clase 8903 tipo SP

Este contactor de alumbrado es adecuado para su uso en un circuito capaz de suministrar no más de 5 000 A simétricos rcm, 600 V~ como máximo cuando es protegido contra sobrecorriente por el circuito derivado según lo establecido por el National Electrical Code® (NEC de EUA), NOM-001-SEDE y/o demás códigos eléctricos aplicables.
Para los circuitos que suministran más de 5 000 A simétricos rcm, 600 V~, consulte el boletín 30072-013-84 para obtener los requisitos de protección contra sobrecorriente y del gabinete.

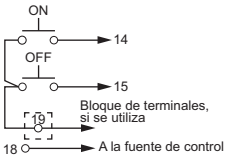
Alambrado de alimentación

Zapatas de alimentación adecuadas sólo para los conductores de Cu o Al.
Conductores de tamaño adecuado para una temperatura de 60 °C, con valor nominal de 60 °C como mín. o de tamaño adecuado para una temperatura de 75 °C, con valor nominal de 75 °C como mín.
Par de apriete de las zapatas:
línea y carga: 50 lbs-pulg (5,56 N•m).

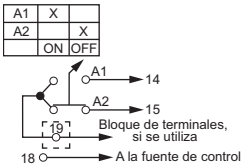
Alambrado de control

Los conductores del circuito de control deben ser protegidos contra sobrecorriente de acuerdo con los códigos eléctricos correspondientes. Para esto, será necesario instalar dispositivos de protección los cuales no se muestran en los diagramas del circuito de control. El kit de portafusible 9999SF4 está disponible para permitir el cumplimiento con las normas.

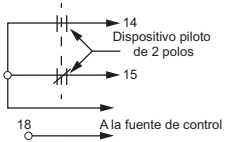
Botón pulsador "On-Off"



Interruptor selector "On-Off"



Dispositivo piloto de 2 polos



NOTA: El prepunzonado lateral en un gabinete NEMA 1 no debe utilizarse con los contactores de 4 y 5 polos debido a espacio insuficiente para las conexiones eléctricas entre la terminal de potencia izquierda y el pasamuros del tubo conduit.

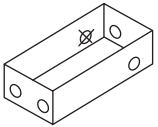


Diagrama del controlador de 2 polos

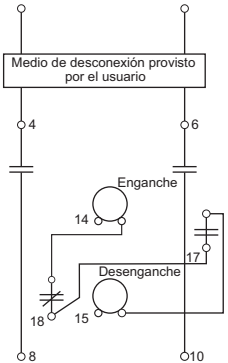


Diagrama del controlador de 3 polos

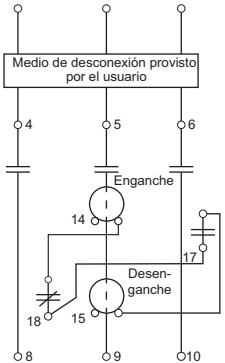


Diagrama del controlador de 4 polos

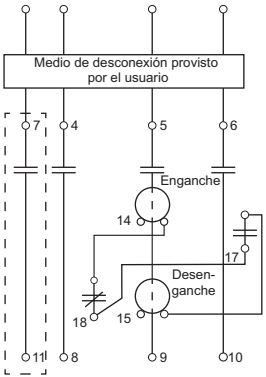
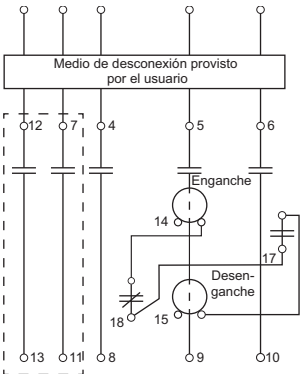


Diagrama del controlador de 5 polos



30072-315-31
Rev. 02, 02/2017

SQUARE D™

by Schneider Electric

Contacteur d'éclairage retenu mécaniquement de 60 A, Classe 8903 type SP

Ce contacteur d'éclairage convient à une utilisation sur un circuit capable de fournir pas plus de 5 000 A RMS symétriques, à 600 V~ maximum, lorsqu'il est protégé contre la surintensité des circuits de dérivation conformément au National Electrical Code® (NEC; É.-U.) et aux autres codes électriques en vigueur.
Pour les circuits capables de fournir plus de 5 000 A RMS symétriques, 600 V~, se reporter aux directives d'utilisation 30072-013-84 pour les exigences de protection contre les surintensités et du coffret.

Câblage d'alimentation

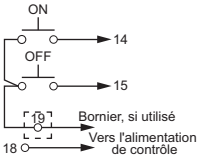
Cosses de l'alimentation convenables pour conducteurs en Cu ou Al uniquement. Dimensionné pour un courant admissible à 60 °C, valeur nominale min. de 60 °C ou dimensionné pour un courant admissible à 75 °C, valeur nominale min. de 75 °C.

Couple de serrage des cosses :
ligne et charge : 50 lb-po (5,65 N•m).

Câblage de contrôle

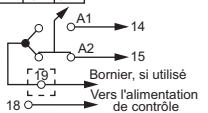
Les conducteurs du circuit de contrôle doivent être protégés contre les surintensités conformément aux codes de l'électricité en vigueur. Cela peut nécessiter l'installation de dispositifs de protection non représentés sur les schémas du circuit de contrôle. Le kit de porte-fusibles 9999SF4 est disponible pour permettre la conformité.

Bouton poussoir marche-arrêt

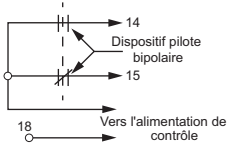


Sélecteur marche-arrêt

A1	X	
A2		X
	ON	OFF



Dispositif pilote bipolaire



REMARQUE : La débouchure latérale d'un coffret NEMA 1 ne doit pas être utilisée avec des contacteurs à 4 et 5 pôles par suite d'espace électrique insuffisant entre la borne de puissance de gauche et le manchon du conduit.

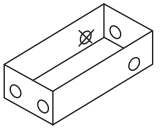


Schéma pour contrôleur bipolaire

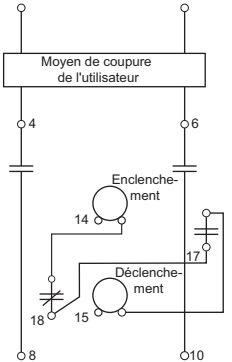


Schéma pour contrôleur tripolaire

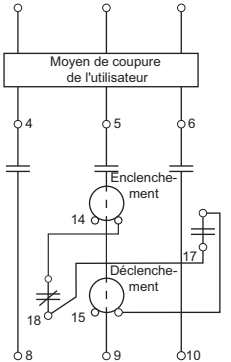


Schéma pour contrôleur quadripolaire

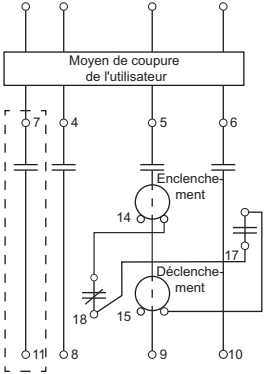
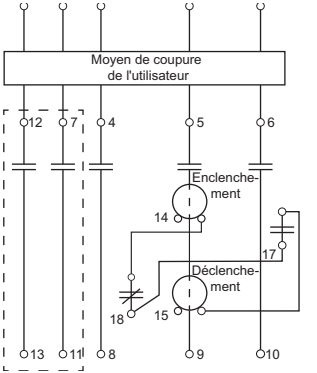


Schéma pour contrôleur à 5 pôles



30072-315-31
Rev. 02, 02/2017