



LIGHTING CONTROLS

ABB LIGHTING CONTACTORS AF16 SERIES

DESCRIPTION

The ABB AF16 Series lighting contactors are electrically-held four-pole contactors available with normally closed or normally open contacts. The contactors are rated for 30A general purpose, ballast and tungsten. Compact size, surface or DIN rail mounting, and a unique detachable coil interface make installation simple. Normally closed contacts ensure the lights stay on if the control circuit fails.

FEATURES

- Up to four single-phase loads per contactor
- Electronic coils eliminate chatter and hum
- Integral coil surge suppression
- Four normally open (N.O.) contacts (AF16-40)
- Two normally open (N.O.) & two normally closed (N.C.) contacts (AF16-22)



AF16-40

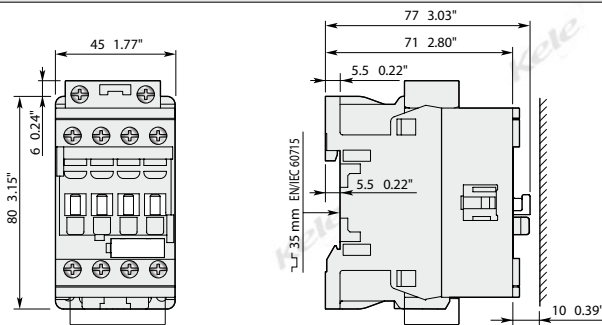


SPECIFICATIONS

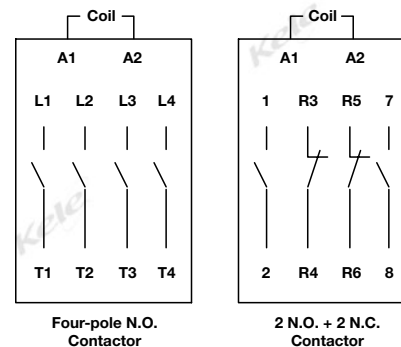
Supply Voltage	24 to 60 VAC, Maintain to hold coil 100 to 500 VAC/VDC, Maintain to hold coil
Coil Current	
Pull-in	50 VA, 45-95ms
Hold	2.2 VA
Relay Type	Four SPST, Electrically held, dry contacts
AF 16-22	Two SPST (N.O.), & Two SPST (N.C.)
Af 16-40	Four SPST (N.O.)
Relay Rating	30A @ 347 VAC per pole or 600VAC 3 phase
Status Contact	4th contact, 30A @ 347 VAC
Manual Override	None
Coil Ratings	Electrically held contactor
Energize	Supply voltage minimum (per order)
Drop-out	60% of minimum supply voltage (per order)
Coil Inrush Current	VAC, 50 VA inrush, 2.2 VA Holding, 24VDC-500 mA @24 V DC

Visual Indication	None
Cycle Endurance	10M cycles
Short Circuit Current (SCCR)	Not Specified
Operating Temperature	-40° to 158°F (-40° to 70°C)
Operating Humidity	10% to 90% RH noncondensing
Wiring Terminations	2 Control terminals - 16-10 AWG Contacts- 8 Screw clamp for 16-10 AWG
Mounting	Surface or DIN rail
Dimensions	1.8"W x 3.2"L x 3.03"H (4.5 x 8.0 x 7.7 cm) See diagram
Weight	0.69 lb (0.31 Kg)
Approvals	UL File #E319322, CE, RoHS
Warranty	1 year

DIMENSIONS



WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
AF16-40-00-41	4 N.O., 30A contactor, 24-60 VAC coil
AF16-40-00-11	4 N.O., 30A contactor, 24-60 VAC/20-60 VDC coil
AF16-40-00-13	4 N.O., 30A contactor, 100-250 VAC/VDC coil
AF16-40-00-14	4 N.O., 30A contactor, 250-500 VAC/VDC coil
AF16-22-00-41	2 N.O. + 2 N.C., 30A contactor, 24-60 VAC coil
AF16-22-00-13	2 N.O. + 2 N.C., 30A contactor, 100-250 VAC/VDC coil
AF16-22-00-14	2 N.O. + 2 N.C., 30A contactor, 250-500 VAC/VDC coil