



FEATURES

BENEFITS

**UP TO 6PDT
15 AMP CONTACT:**

**MAXIMUM FLEXIBILITY OF USES EASILY HANDLES
MODERATELY HEAVY LOADS**

3 AMP 600 VAC RATING:

SUITABLE FOR NEARLY ALL CONTROL VOLTAGES

**DIN RAIL/PANEL
MOUNTABLE:**

**RAPID INSTALLATION -CAN REPLACE
EXISTING OPEN TYPES SUCH AS POTTER &
BRUMFIELD KUB WITHOUT PANEL MODIFICATION**

**RECTIFIED COILS
ON AC TYPES:**

**RUNS COOLER & QUIETER,
USES LESS ENERGY.**

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	Not applicable
Dropout Voltage DC: \geq	% of nominal	Not applicable
Maximum Voltage:	% of nominal	110
Resistance Tolerance:	% \pm	10
Coil Power AC (50/60 Hz):	VA	2
Coil Power DC:	W	2.6
Insulation System		
Per UL Standard 1446:		Class B (130°C), F(155°C)
Duty:		Intermittent
CONTACTS		
Contact Material:		Silver alloy, gold flashed
Contact Rating AC Amperes (AC1):	A	15 / 3
Contact Rating AC Voltage:	V	277/ 600
Contact Rating DC Amperes (DC1):	A	10
Contact Rating DC Voltage:	V	28
Horse Power (AC):	HP	1/3 @ 120
Horse Power (AC):	HP	1/2 @ 208 to 600
Pilot Duty (60 Hz):		Not applicable
Minimum Recommended Load:	ma	100 @ 5 VDC or 0.5 W
TIMING		
Operate Time:	ms	25
Release Time:	ms	25
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	2000
Across Open Contacts:	V rms	500
Pole to Pole:	V rms	1500
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500
TEMPERATURE		
Operating, AC Lower:	°C	-40
Operating, AC Upper:	°C	+70
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+70
Storage, Lower:	°C	-40
Storage, Upper:	°C	+105
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	10,000,000
MISCELLANEOUS		
Operating Position:		Any
Insulation Material:		Molded plastic
Enclosure Material:		Clear Polycarbonate
Cover Protection Category:	IP	40
Weight:	grams	85

THE CLASS 385 RELAY IS A MECHANICALLY LATCHED, ELECTRICALLY RESET RELAY, IT CAN BE FURNISHED WITH TWO, FOUR OR SIX SETS OF DOUBLE THROW CONTACTS, AND ALL POPULAR COIL VOLTAGES. AC COIL TYPES INCORPORATE BUILT IN RECTIFIERS FOR MAXIMUM COIL EFFICIENCY AND MINIMAL HEATING FOR CONTINUOUS DUTY CAPABILITY. ALL TERMINALS ARE STANDARD 0.187 INCH QUICK CONNECT AND ARE ALSO PIERCED FOR DIRECT SOLDER CONNECTION IF DESIRED. THE MOLDED PLASTIC DUST COVER SNAPS ONTO A STANDARD DIN RAIL, AS WELL AS INCORPORATING MOUNTING SLOTS THAT EXACTLY MATCH POTTER & BRUMFIELD'S KUB. UNLIKE MOST MECHANICAL LATCH RELAYS, THE 385 DOES NOT HAVE A DOMINANT COIL. IF BOTH COILS ARE ENERGIZED AT THE SAME TIME, ALL OF THE NORMALLY OPEN CONTACTS CLOSE, AND ALL NORMALLY CLOSED CONTACTS OPEN. WHICH EVER COIL IS DE-ENERGIZED FIRST, RELEASES AND LOCKS THE OTHER SIDE IN ITS ENERGIZED POSITION.



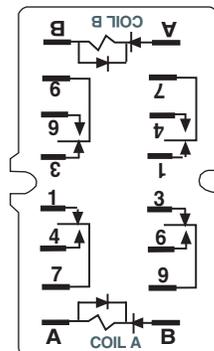
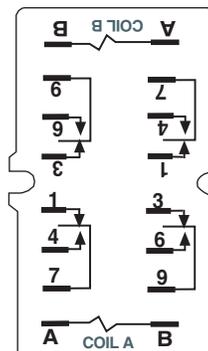
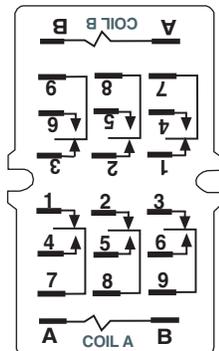
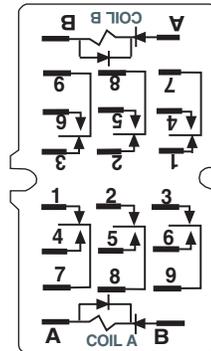
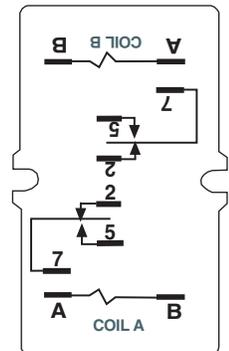
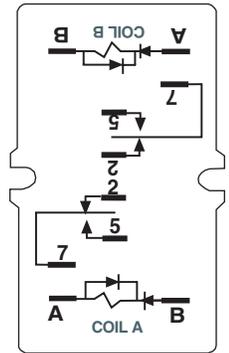
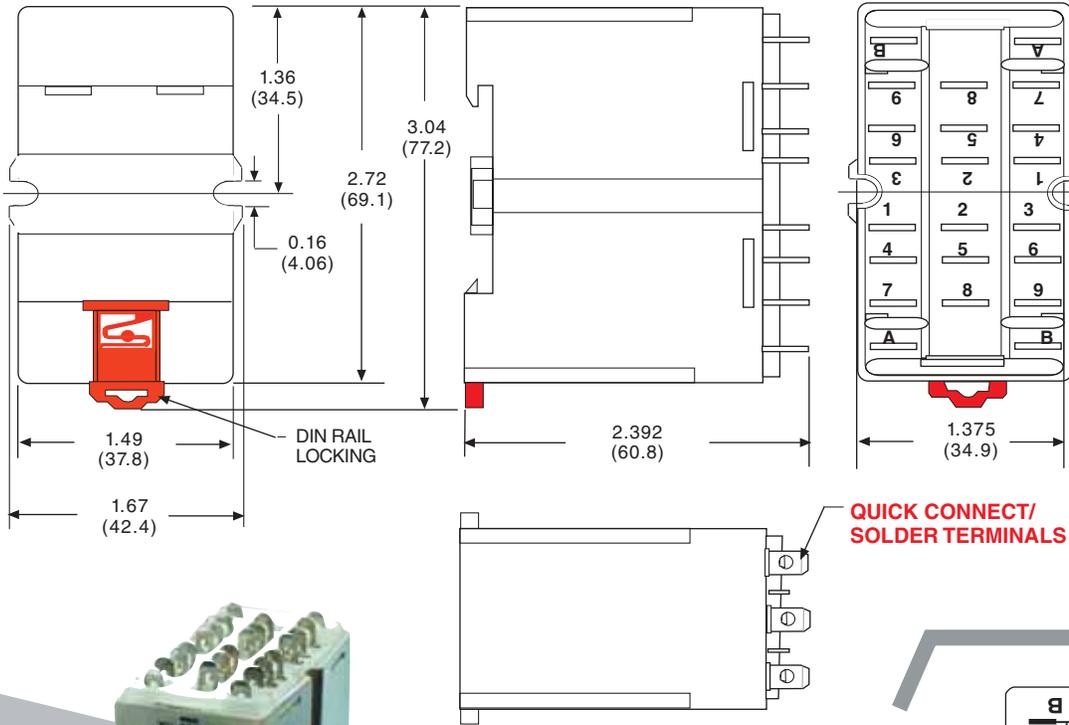
385 DIN / PANEL MOUNTABLE LATCHING RELAY



DPDT, 4PDT & 6PDT 15 AMPS

WIRING DIAGRAM
(VIEWED FROM PIN END)

OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



ORDERING CODE

F **385** **XBX** **-240A**

COILS:

130°C: NO CODE,
155°C: CODE F

CLASS:

385 - 15 AMPS RATING WITH
0.187" QUICK CONNECT/
SOLDER TERMINALS

CONTACT ARRANGEMENTS:

XBX: DPDT,
XDX: 4PDT
XFX: 6PDT

COIL VOLTAGE:

6, 12, 24, 120, 240 ADD "A" FOR AC COILS
6, 12, 24, 48, 110-125 ADD "D" FOR DC COILS

STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED, DUAL COIL, 15 AMP			
385XDX-120A	4PDT	120 VAC	4800/4800 Ω
DC OPERATED, 15 AMP			
385XDX-12D	4PDT	12 VDC	85/85 Ω
385XDX-24D	4PDT	24 VDC	340/340 Ω

RETROFITS POTTER & BRUMFIELD KUB
SEE END OF SECTION 5 FOR CROSS REFERENCE