

FEATURES

BENEFITS

FLAG INDICATOR:	SHOWS RELAY STATUS IN MANUAL OR POWERED CONDITION.
L.E.D. STATUS LAMP:	SHOWS COIL "ON" OR "OFF" STATUS. IDEAL IN LOW LIGHT CONDITIONS.
PUSH BUTTON:	ALLOWS FOR MANUAL OPERATION OF RELAY WITHOUT THE NEED FOR COIL POWER. IDEAL FOR FIELD SERVICE PERSONNEL TO TEST CONTROL CIRCUITS.
LOCK-DOWN DOOR:	WHEN ACTIVATED, HOLDS PUSH BUTTON AND CONTACTS IN THE OPERATE POSITION. EXCELLENT FOR ANALYZING CIRCUIT PROBLEMS.
FINGER-GRIP COVER:	ALLOWS OPERATOR TO REMOVE RELAYS FROM SOCKETS MORE EASILY THAN CONVENTIONAL RELAYS.
I.D. TAG/WRITE LABEL:	USED FOR IDENTIFICATION OF RELAYS IN MULTI-RELAY CIRCUITS.
COVER ADAPTERS:	DIN RAIL FLANGE ADAPTER OR TOP/BOTTOM FLANGE ADAPTER, ALLOWS THE 783 RELAY TO BE DIRECT MOUNTED TO A DIN RAIL OR PANEL.

GENERAL SPECIFICATIONS

COIL

Pull-in Voltage:	75% of nominal voltage or less for DC coils, 80% of nominal voltage or less for AC coils
Dropout Voltage:	DC-10% min. AC-30% min. of nominal voltage or more
Max. Voltage:	110%
Resistance:	±15% measured @ 25°C
Coil Power:	1.5 watts DC, 1.7 VA (60Hz) AC @ 25°C
Insulation System:	Class "B" (130°C per UL standard 1446)
Max. Coil Dissipation:	3.0 watts DC, 3.4 VA (60Hz) AC. @ 25°C
Duty:	Continuous

CONTACTS

Contact Material:	Solid silver cadmium oxide (gold flashed)
Contact Rating:	15 amps, 110 - 120 VAC 50/60Hz, 12 amps, 28 VDC (30 amps max.) 12 amps, 220 - 277 VAC 50/60Hz (20 amps max.) 1/2Hp @ 120 VAC, 3/4 Hp @ 250 VAC, B300 pilot duty
Contact Resistance:	50 milliohms maximum initial resistance

DIELECTRIC STRENGTH

Contacts to Coil:	2500 V rms
Across open Contacts:	1000 V rms
Pole to Pole:	2500 V rms
Contacts to Frame:	2500 V rms
Insulation Resistance:	100 megohms min. @ 500 VDC

TEMPERATURE

Operating:	-30°C to +70°C
Storage:	-30°C to +105°C

VIBRATION RESISTANCE

Functional:	6 g's, 10 to 55 Hz (0.6 mm double amplitude)
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SHOCK RESISTANCE

Functional:	10 g's
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LIFE EXPECTANCY

Electrical:	150,000 operations @ rated resistive load
Mechanical:	10,000,000 operations @ no load

MISCELLANEOUS

Operating Position:	Any
Insulation Material:	Molded plastic
Enclosure:	Polycarbonate dust cover
Weight:	60 grams approx.



STANDARD



STANDARD COVER WITH FLANGE ADAPTER ON TOP 16-783C1 SEE ORDERING CODE

MAY ALSO BE ORDERED SEPARATELY



STANDARD COVER WITH FLANGE ADAPTER ON BOTTOM 16-783C1A SEE ORDERING CODE

MAY ALSO BE ORDERED SEPARATELY



STANDARD COVER WITH DIN ADAPTER 16-783C SEE ORDERING CODE

MAY ALSO BE ORDERED SEPARATELY

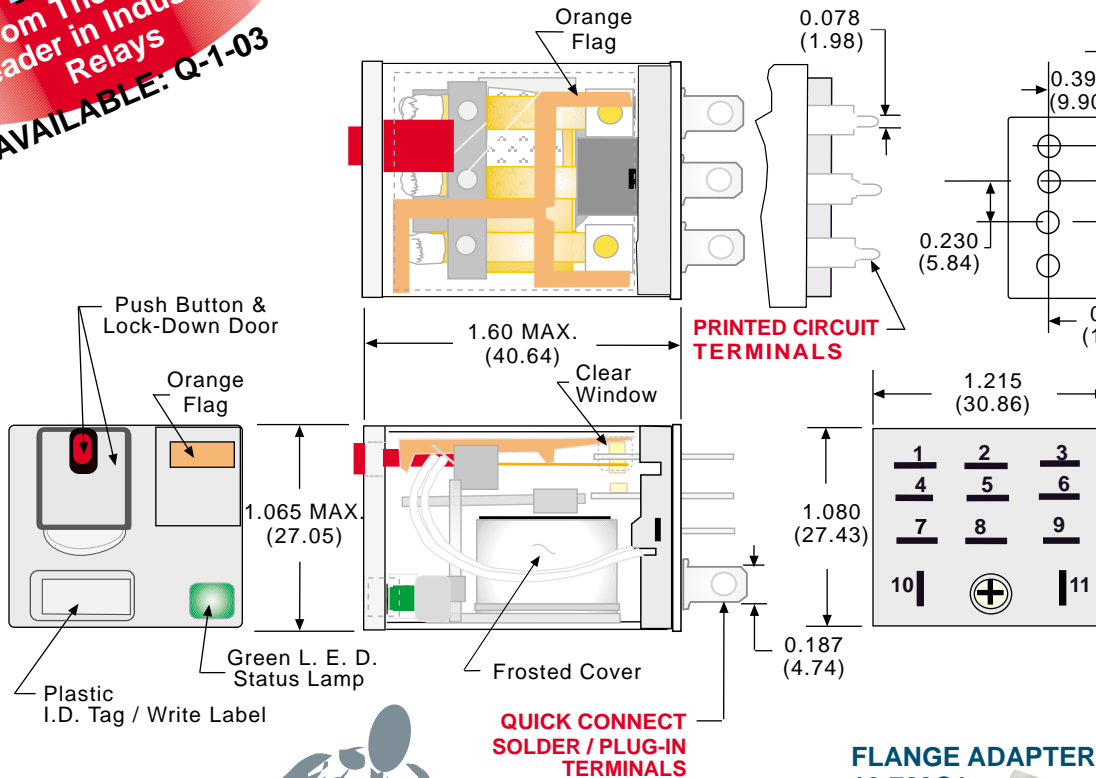
Mating Sockets
70-783D-1: SCREW/DIN
See section 8, page 21



NEW
From The Market
Leader in Industrial
Relays
AVAILABLE: Q-1-03

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

**PRINTED CIRCUIT
MOUNTING HOLE LAYOUT**
(BOTTOM VIEW)



AVAILABLE WITHOUT
LOCK-DOWN DOOR: CODE "M"



BI - POLAR
L.E.D. STATUS LAMP
ALLOWS FOR REVERSE
POLARITY APPLICATIONS

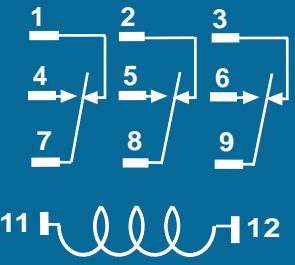
**FLANGE ADAPTER
16-783C1**



**DIN ADAPTER
16-783C**



WIRING DIAGRAM
(VIEWED FROM PIN END)



ORDERING CODE FOR RELAYS

783 **XCX** **M4L -120A**

CLASS: _____

CONTACT CONFIGURATION:
3PDT: XCX

TERMINAL STYLE: _____
QUICK CONNECT SOLDER / PLUG-IN TERMINALS: NO CODE
PRINTED CIRCUIT TERMINALS: CODE T

OPTIONS: _____
TOP ADAPTER, DIN MOUNT: CODE C
TOP OR BOTTOM FLANGE ADAPTER (TOP MOUNTED): CODE C1
TOP OR BOTTOM FLANGE ADAPTER (BOTTOM MOUNTED): CODE C1A

STANDARD FEATURES: _____
PUSH BUTTON & LOCK DOWN DOOR: CODE M4
L.E.D. STATUS LAMP: CODE L

OPTIONAL FEATURES: _____
PUSH BUTTON WITHOUT LOCK-DOWN DOOR: CODE M

COIL VOLTAGE: _____
6, 12, 24, 120, 220/230, 240 ADD "A" FOR AC COILS
6,12, 24, 48, 110 ADD "D" FOR DC COILS

COIL MEASURED @ 25°C

STANDARD PART NUMBERS	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED - SOLDER/PLUG-IN, 15 AMP		
783XCXM4L-24A	24 VAC, 50/60 Hz	84.5 Ω
783XCXM4L-120A	120 VAC, 50/60 Hz	2220 Ω
783XCXM4L-240A	240 VAC, 50/60 Hz	9120 Ω
DC OPERATED - SOLDER/PLUG-IN, 15 AMP		
783XCXM4L-12D	12 VDC	96 Ω
783XCXM4L-24D	24 VDC	380 Ω
783XCXM4L-110D	110 VDC	7340 Ω
AC OPERATED - PRINTED CIRCUIT, 15 AMP		
783XCXTM4L-120A	120 VAC, 50/60 Hz	2220 Ω
DC OPERATED - PRINTED CIRCUIT, 15 AMP		
783XCXTM4L-12D	12 VDC	96 Ω
783XCXTM4L-24D	24 VDC	388 Ω