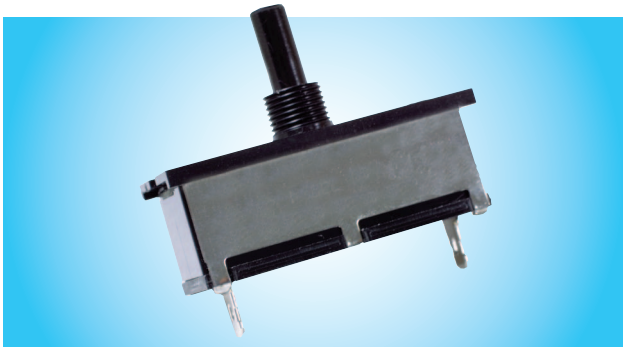
MX22 Series

MANUAL RESET CIRCUIT PROTECTOR, EXPANSION TYPE

TRIMAX Circuit Protectors



MX22 Series Circuit Protectors are the ideal choice for the protection of critical circuits requiring ultra-precise, rapid and chatter-free tripping, as well as applications where sensitivity to varying ambient temperatures would adversely affect trip characteristics.

EXAMPLES OF MX22 SERIES APPLICATIONS include:

- **Commercial and Residential Appliances**
- **Audio equipment**
- **Instrumentation**
- **Office Equipment**
- **Control Systems**
- **Medical Equipment**
- **Vending Machines**

…and many more

OTHER MX22 SERIES FEATURES include:

- **Simple and compact design.**
- **Trip-free mechanism.**
- **Immediate manual reset capability.**
- **Constant contact voltage drop up to trip-point.**
- **Insensitive to frequency variation due to use of non-inductive sensing element.**

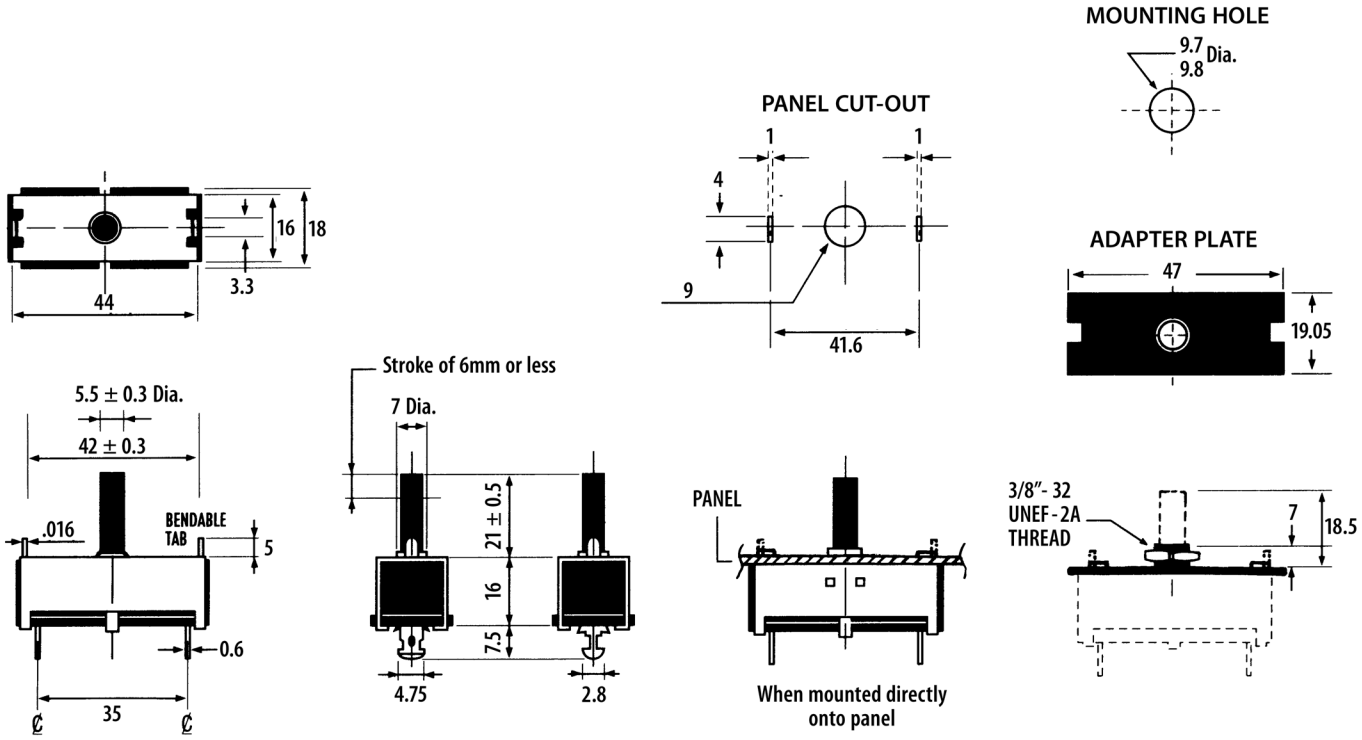
SPECIFICATIONS

- **Trip Time vs. Overload at 25°C**
  At 100% of rated current: no trip
  At 175% of rated current: trip within 2 minutes
  At 300% of rated current: trip in less than 2 seconds
- **Current and Voltage Ratings**
  0.4A–10.0A, 125VAC, 50/60 Hz, UL/CSA
  0.4A–1.6A, 250VAC, 50/60 Hz (no approvals)
  0.4A–2.0A, 24VDC
  0.4A–1.0A, 48VDC (no approvals)
- **Interrupt Capacity**
  1000A at 125VAC per UL 1416
  100A at 250VAC
  500A at 24VDC
  100A at 48VDC
- **Resettable Overload Capacity**
  6 times rated current for protectors rated at 4.0A or less
  4 times rated current for protectors rated at 5.0A–6.3A
  3 times rated current for protectors rated at 8.0A–10.0A
- **Dielectric Strength**
  > 1500 volts RMS
- **Voltage Drop**
  <1.2V at 100% of rated current
- **Temperature Rise at Terminal Block**
  50°C maximum with 100% of rated current applied continuously
- **Reset Time**
  Unit is immediately resettable.
  No cool-down time is necessary.
- **Derating Factors for Ambient Temperature**
  The MX22 Series circuit protector is unaffected by ambient temperature within an operating range of -20°C to +65°C.
- **Vibration**
  No opening of closed contacts or closing of open contacts during 2 hour vibration test at 33 Hz (approx. 6 G) and 3 mm amplitude applied in three planes.
- **Termination Options**
  .110'' solder type wire posts
  .187'' quick connects
- **Mounting Options**
  Bendable tabs
  Non-metallic adapter plate with 3/8''-32 bushing and metallic hex nut

TRIP TIME vs OVERLOAD at 25°C

Overload	100%	175%	200%	300%	400%	500%
0.4 ~ 4.0 A	No Trip	.55 ~ 70 sec.	.30 ~ 7 sec.	.12 ~ 2 sec.	.07 ~ .85 sec.	.04 ~ .60 sec.
5.0 ~ 6.3 A	No Trip	1.20 ~ 50 sec.	.80 ~ 7 sec.	.35 ~ 2 sec.	.20 ~ .85 sec.	.15 ~ .45 sec.
8.0 ~ 10.0 A	No Trip	1.10 ~ 35 sec.	.75 ~ 7 sec.	.35 ~ 2 sec.	.20 ~ .85 sec.	.15 ~ .45 sec.

DIMENSIONS in mm



OPTIONS SELECTION

Series	Amps select by letter	Volts select by letter	Terminals select by number	Actuator select by letter	Mounting Hardware select by number
MX22 Manual Reset Expansion Type Circuit Protectors	**A** 0.40 **B** 0.50 **C** 0.63 **D** 0.80 **E** 1.00 **F** 1.25 **G** 1.60 **H** 2.00 **J** 2.50 **K** 3.15 **L** 4.00 **M** 5.00 **P** 6.30 **R** 8.00 **S** 10.00	**A** 125VAC *0.40–10.0 amps only* **B** 250VAC *0.40–1.60 amps only* **C** 24VDC *0.40–2.0 amps only* **D** 48VDC *0.40–1.0 amps only*	**1** .110" Solder Posts **2** .187" Quick Connects	**A** Short 12 mm **B** Long 21 mm	**1** None **2** 3/8"–32 Bushing w/ Hex Nut & Adapter Plate

Example: MX22 | CC | 1 | A | 1

MX22, 0.63Amps, 24VoltsDC, .110" Solder Posts, Short actuator, No mounting hardware

TRIMAX Circuit Protectors
A division of Pelco Component Technologies
2747 Route 20 East, Cazenovia, NY 13035
315-655-8476 ■ www.trimaxcb.com