Product Type

Miniature Hydraulic / Magnetic Circuit Breaker

Product Series

M-Series

Description

M-Series PDF eLibrary

The M-Series miniature hydraulic/magnetic circuit breakers are designed for those demanding applications where space, aesthetics and snap-in front panel mounting are important. These circuit breakers are available in a choice of rocker actuator styles and colors, including paddle and baton style handle actuators, push-to-reset and push-pull pushbutton actuators, Visi-Rocker two color actuators as well as non-illuminated or illuminated rocker versions with LED or neon bulbs. The exclusive Rockerguard bezel helps prevent inadvertent actuation. Wiping contact design insures long term reliability. Various styling options allow design flexibility. M Series circuit breakers are offered in 1 & 2 poles, 0.02 to 30 amps, up to 250VAC or 80VDC. They are available with a choice of time delays, terminals, panel hardware, actuator styles, colors, & imprinting.

Series PDF eLibrary	• M-Series Cir. Breaker PDF (3.0 MB) • Cir. Breaker Time Delays for M-Series (2.3 MB) • Cir. Breaker Accessories PDF (49.5 KB)
Certifications	UL recognized, CSA, VDE, TUV, UL489A Listed (Telecom)
Number of Poles	1 & 2 poles
Available Delays	Instant, Short, Medium - AC/DC, Hi-Inrush
Maximum Current and Voltage Ratings	0.02-15FLA, 32VDC, 125VAC, 1 pole 15.1-25GPA, 32VDC, 125VAC, 1-pole 0.02-15FLA, 65VDC, 250VAC, 2-pole 15.1-25GPA, 65VDC, 250VAC, 2-pole 0.02-12FLA, 250VAC, 1-pole 0.02-7.5GPA, 50VDC, 1-pole 0.02-30GPA, 65VDC, 80VDC, 1 pole
Maximum Interrupting Capacity	1,000A @ 65VDC, 2-pole 1,000A @ 32VDC, 1-pole 1,000A @ 250VAC, 2-pole 1,000A @ 125VAC, 1-pole 600A @ 80VDC
Auxiliary Switch Ratings	7A @ 250VAC 0.1A @ 125VAC (gold contacts) 7A (Res.) @ 28VDC 4A (Ind.) @ 28VDC 0.25A @ 80VDC
Available Circuits	Series and Switch Only

Actuator Style	Solid Color Angled Rocker Solid Color Flat Rocker Two Color Visi-Rocker Illuminated Angled Rocker Illuminated Flat Rocker Solid Color Paddle Solid Color Baton Solid Color Push-to-Reset Pushbutton Solid Color Push-Pull Pushbutton
Terminal Options	.250 QC Tabs 8-32 Screw w/ Upturned Lugs 8-32 Screw (Bus Type) Push in Stud Terminals
Mounting Method	Snap-in Front Panel
Value Added	Custom colors Non-standard current ratings Panel hole plug available Amp markings for pushbutton actuators and more

The low cost M-Series utilizes the hydraulic magnetic principle which provides accurate and reliable circuit protection even when exposed to extremely hot and/or cold application environments.

Available in a choice of rocker actuator styles and colors, push button, push-pull, paddle, and baton style handle actuators, the Visi-Rocker® two-color actuators as well as non-illuminated or illuminated rocker versions with LED or neon bulbs. The exclusive Rockerguard® bezel helps prevent inadvertent actuation. "Wiping" contact design insures long term reliability. Various styling options allow design flexibility.

Typical applications include power supplies, medical equipment, and telecommunications equipment. In addition, these breakers meet CSA Standard 22.2 No. 100 for the Generator & Welder markets.

Agency Certifications

UL Recognized
UL Standard 1077
Component Recognition Program as Protectors, Supplementary (Guide CCN/QVNU2, File E75596)

UL Listed
UL Standard 489A
Communications Equipment (Guide CCN/DITT, File E189195)

CSA Accepted
Component Supplementary Protector under Class 3215 30, File 047848 0 000
CSA Standard C22.2 No. 235

VDE Certified
EN60934, VDE 0642 under File 10537

TUV Certified
EN60934, under License No. R9671109

Electrical

Table A: Lists UL Recognized and CSA Accepted configurations & performance capabilities as a Component Supplementary Protector.

M-SERIES TABLE A: COMPONENT SUPPLEMENTARY PROTECTORS

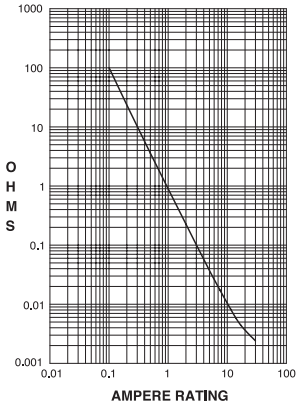
CIRCUIT CONFIGURATION	VOLTAGE			CURRENT RATING		POLES BREAKING	SHORT CIRCUIT CAPACITY (AMPS)		APPLICATION CODES	
							U L/ CSA			
	MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	GENERAL PURPOSE AMPS		WITH BACKUP FUSE	WITHOUT BACKUP FUSE	UL	CSA
SERIES	32	DC	---	0.02 - 15	—	1	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 25	1	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
	50 [2]	DC	---	0.02 - 7.5	—	1	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
	65	DC	---	0.02 - 15	—	2	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 25	2	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
	65 [1,2]	DC	---	0.02 - 15	—	1	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 30	1	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
	65	DC	---	0.02 - 15	—	2	5000 [3]	—	TC1,2, OL1, C1	TC1,2, OL1,C1
				---	15.1 - 25	2	5000 [3]	—	TC1,2, OL0, C1	TC1,2, OL0, C1
	80 [1]	DC	---	0.02 - 15	—	1	---	600	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 30	1	---	600	TC1,2, OL0, U1	TC1,2, OL0, U1
	125	50 / 60	1	0.02 - 15	—	1	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 30	1	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
				1 - 30	—	1	---	360	TC1,OL1,U2	TC3, OL1, U3
	250	50 / 60	1	0.02 - 12	—	1	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
	250 [2]	50 / 60	1	---	12.1 - 18	1	1000 [4]	—	TC1,2, OL0, C1	TC1,2, OL0, C1
	250	50 / 60	1	0.02 - 15	—	2	---	1000	TC1,2, OL1, U1	TC1,2, OL1, U1
				---	15.1 - 30	2	---	1000	TC1,2, OL0, U1	TC1,2, OL0, U1
				1 - 30	—	1	---	360	TC1,OL1,U2	TC3, OL1, U3

NOTES FOR TABLE A
1 Polarity Sensitive
2 Available only with Special Catalog Number. Consult Factory.
3 Requires Branch Circuit Backup with a UL Listed type K-5 or RK-5 fuse rated 30 Amps maximum
4 Requires Branch Circuit Backup with a UL Listed type K-5 or RK-5 fuse rated 60 Amps maximum

Electrical

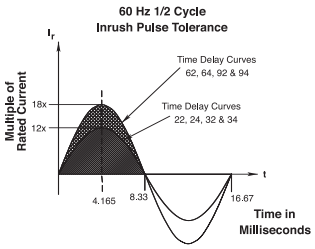
Maximum Voltage	125/250 VAC 50/60 Hz, 80 VDC (See Rating Tables.)
Current Ratings	Standard current coils: 0.100, 0.250, 0.500, 0.750, 1.00 thru 15.0 in 1 amp increments, 18.0, 20.0, 25.0, 30.0. Other ratings available - see Ordering Scheme.
Auxiliary Switch Rating	SPDT; 7A 250VAC, 7A (Res) 28VDC, 4A (Ind.) 28VDC, 0.25A 80VDC (Res) (silver contacts), 0.1A 125VAC (gold contacts).
Insulation Resistance	Minimum of 100 Megohms at 500 VDC.
Dielectric Strength	UL, CSA 1500V, 50/60 Hz for one minute between all electrically isolated terminals. M-Series Circuit Breakers comply with the 8mm spacing and 3750 V 50/60Hz dielectric requirements from hazardous voltage to operator accessible surfaces, per Publications IEC 380, 435, 950, EN 60950 and VDE 0805.
Resistance, Impedance	Values from Line to Load Terminal - based on Series Trip Circuit Breaker.

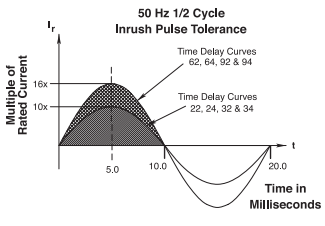
RESISTANCE, IMPEDANCE VALUES
from Line to Load Terminals
(Values Based on Series Trip Circuit Breaker)



CURRENT (AMPS)	TOLERANCE (%)
0.10 - 20.0	25%
20.1 - 30.0	35%

Pulse Tolerance Curves





Mechanical

Endurance	10,000 ON-OFF operations @ 6 per minute with rated Current and Voltage.
Trip Free	All M-Series Circuit Breakers will trip on overload, even when actuator is forcibly held in the ON position.
Trip Indication	The actuator moves positively to the OFF position when an overload causes the circuit breaker to trip.

Physical

Number of Poles	1 or 2
Internal Circuit Configurations	Series with or without Auxiliary Switch. Switch Only with or without Auxiliary Switch.
Weight	Approximately 30 grams/pole (Approximately 1.07 ounces/pole)
Standard Colors	See Ordering Scheme.

Environmental

Designed and tested in accordance with requirements of specification MIL-PRF-55629 & MIL-STD-202 as follows:

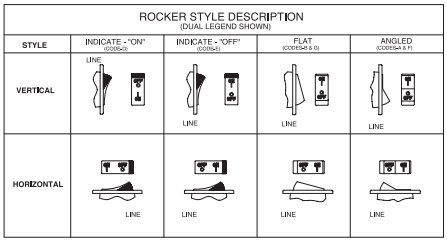
Shock	Withstands 100 Gs, 6ms, sawtooth while carrying rated current per Method 213, Cond. I. Instantaneous curves tested at 80% of rated current.
Vibration	Withstands 0.060" excursion from 10-55 Hz, and 10 Gs 55-500 Hz, at rated current per Method 204C, Test Condition A. Instantaneous curves tested at 80% of rated current.
Moisture Resistance	Method 106D, i.e., ten 24-hour cycles @ + 25°C to +65°C, 80-98% RH.
Salt Spray	Method 101, Condition A (90-95% RH @ 5% NaCl Solution, 96 hrs).
Thermal Shock	Method 107D, Condition A (Five cycles @ -55°C to +25°C to +85°C to +25°C).
Operating Temperature	-40° C to +85° C
Chemical Resistance	Only the outside surfaces of the case and the handles may be cleaned with detergents or alcohol. Organic (hydrocarbon based) solvents are not recommended because they attack plastics. Caution should be taken when solvents are used to clean and remove flux from terminals. Lubricants should not be introduced into the handle/bushing openings.

M	G	2	–	B	–	34	–	620	–	1	H	C	6	–	7	–	C
1 Series	2 Actuator	3 Poles		4 Circuit		5 Frequency & Delay		6 Current Rating		7 Terminal	8 Illumination	9 Actuator Color	10 Legend		11 Bezel Color		12 Agency Approval

1 SERIES
M

2 ACTUATOR [1]

Non-Illuminated single color		*Two Color Visi-Rocker*		*Illuminated single color*	
A	Angled	**D**	Indicate ON	**F**	Angled
B	Flat	**E**	Indicate OFF	**G**	Flat



3 POLES

1	One	**2**	Two

4 CIRCUIT [2]

without Auxiliary Switch		
A	Switch Only (No Coil), Maintained Contacts	
B	Series Trip (Current)	
with Auxiliary Switch, Silver Contacts		***Terminal Type:***
P[3]	Switch Only, Maintained Contacts	.060 Dia, Round Solder Turret
Q[3, 4]	Switch Only, Maintained Contacts	.058 Dia, Round Q.C.
R[3, 16]	Switch Only, Maintained Contacts	.080 Dia x .020 Flat Q.C.
S[3]	Series Trip (Current)	.060 Dia, Round Solder Turret
T[3, 4]	Series Trip (Current)	.058 Dia, Round Q.C.
U[3, 16]	Series Trip, Maintained Contacts	.080 Dia x .020 Flat Q.C.
with Auxiliary Switch, Gold Contacts		
2[3, 4]	Switch Only, Maintained Contacts	.058 Dia, Round Q.C.
3[3, 16]	Switch Only, Maintained Contacts	.080 Dia x .020 Flat Q.C.
4[3,4]	Series Trip (Current)	.058 Dia, Round Q.C.
5[3, 16]	Series Trip, Maintained Contacts	.080 Dia x .020 Flat Q.C.

5 FREQUENCY & DELAY

03	DC 50/60Hz, Switch Only	**32**	DC, 50/60Hz Short
10	DC Instantaneous	**34**	DC, 50/60Hz Medium
12	DC Short	**62**	50/60Hz Short, Hi-Inrush
14	DC Medium	**64**	50/60Hz Medium, Hi-Inrush
20	50/60Hz Instantaneous	**72**	DC, Short, Hi-Inrush
22	50/60Hz Short	**74**	DC,Medium, Hi-Inrush
24	50/60Hz Medium	**92**	DC, 50/60Hz Short, Hi-Inrush
30	DC, 50/60Hz Instantaneous	**94**	DC, 50/60Hz, Medium, Hi-Inrush

6 CURRENT RATING (AMPERES)[10]

020	0.020	**225**	0.250	**420**	2.000	**710**	10.500
025	0.025	**230**	0.300	**522**	2.250	**611**	11.000
030	0.030	**235**	0.350	**425**	2.500	**711**	11.500
035	0.035	**240**	0.400	**527**	2.750	**612**	12.000
040	0.040	**245**	0.450	**430**	3.000	**712**	12.500
045	0.045	**250**	0.500	**435**	3.500	**613**	13.000
050	0.050	**255**	0.550	**440**	4.000	**614**	14.000
055	0.055	**260**	0.600	**445**	4.500	**615**	15.000
060	0.060	**265**	0.650	**450**	5.000	**616**	16.000
065	0.065	**270**	0.700	**455**	5.500	**617**	17.000
070	0.070	**275**	0.750	**460**	6.000	**717**	17.500
075	0.075	**280**	0.800	**465**	6.500	**618**	18.000
080	0.080	**285**	0.850	**470**	7.000	**619**	19.000
085	0.085	**290**	0.900	**475**	7.500	**620**	20.000
090	0.090	**295**	0.950	**480**	8.000	**622**	22.000
095	0.095	**410**	1.000	**485**	8.500	**624**	24.000
210	0.100	**512**	1.250	**490**	9.000	**625**	25.000
215	0.150	**415**	1.500	**495**	9.500	**630**[12]	30.000
220	0.200	**517**	1.750	**610**	10.000		

7 TERMINAL [10]

1	Push-On 0.250 Tab (Q.C.)	**A**[14]	Push-In Stud
2 [13]	Screw 8-32 w/upturned lugs	**P**[15]	Printed Circuit Board
3 [13]	Screw 8-32 (Bus Type)		

8 ROCKER ILLUMINATION

Non-illuminated	**A**		
Neon [5]	Neon	Green Glow[8]	
without resistor, 120VAC/250VAC	**B**	**C**	
LED[7, 8]	Red	Green	Amber
without resistor	**D**	**G**	**K**
with resistor, 4-8 VDC	**E**	**H**	**L**
with resistor, 9-16 VDC	**F**	**J**	**M**

9 ACTUATOR & LEGEND COLOR

Solid Color	Actuator	Legend
1	White	Black
2	Black	White
3	Red	White
4	Green	White
5	Blue	White
6	Yellow	Black
7	Gray	Black
8	Orange	Black
Visi-Rocker[6]	Visi & Legend (remainder of rocker same color as bezel)	
1	White	
2	Black	
3	Red	
4	Green	
5	Blue	
6	Yellow	
7	Gray	
8	Orange	
Illuminated [8]	Actuator	Legend
A	Clear	White
B	Red Transparent	White
C	Green Transparent	White
D	Amber Transparent	White
E	Smoke Gray Transparent	White
F	White Translucent	Black

10 LEGEND[11]

1	No Legend	**5**	I - O Horizontal
2	ON - OFF Vertical	**6**	Dual Vertical
3	ON - OFF Horizontal	**7**	Dual Horizontal
4	I - O Vertical		

11 BEZEL COLOR / STYLE[9]

Color	without Rockerguard	with Rockerguard
White	**A**	**1**
Black	**B**	**2**
Gray	**G**	**7**

12 AGENCY APPROVAL[10]

C	UL Recognized & CSA Accepted
D	VDE Certified, UL Recognized & CSA Accepted
E	TUV Certified, UL Recognized & CSA Accepted

Notes:

1 One actuator is located in the center of each multi-pole breaker.

2 For Switch Only circuits, select Current Coil Rating from the following chart:

VOLTAGE			FULL LOAD AMP RATING		GENERAL PURPOSE AMP RATING		TUNGSTEN LAMP RATING		
MAX. RATING	FREQUENCY	PHASE	MAX. AMPS	CHOOSE CURRENT COIL RATING CODE:	MAX. AMPS	CHOOSE CURRENT COIL RATING CODE:	MAX. AMPS	CHOOSE CURRENT COIL RATING CODE:	POLES BREAKING
32	DC	-	15	615	25	625	-	-	1
50	DC	-	-	-	7.5	Consult Factory	-	-	1
65	DC	-	15	615	25	625	-	-	2
125	50/60HZ	1	15	615	25	625	15	615	1
250	50/60HZ	1	12	612	-		-	-	1
250	50/60HZ	1	15	615	25	625	-	-	2

3 One Auxiliary Switch is supplied per breaker. On two-pole breakers, standard Auxiliary Switch mounting is in pole one. Auxiliary Switch option limited to Series Trip & Switch Only circuits, & is not available in single pole illuminated breakers, or Back Connected Screw or Push-in Stud terminals.

4 Mates with AMP .058" diameter pin receptacles: 60983-1 (gold plated) & 60983-2 (tin plated).

5 For neon bulb applications at 120VAC @ 47K, 1/4 WATT and for 250VAC applications @ 150K, 1/4 WATT, external resistors must be supplied by customer.

6 On Visi-Rocker breakers, Visi portion of rocker cannot be the same color as the bezel.

7 For LED (DC or rectified AC) applications, LED is mounted in the center of the rocker actuator with electrical characteristics: 100 millicandela at 20mA; Maximum power dissipation = 75mW at 25°C; Maximum forward current = 25mA; Typical forward voltage = 2.1V at 20mA; Typical reverse current = 100uA at 3V. Customer supplies the proper external resistor limiting current to these values.

8 Rocker color for LED's and green neon lamp must be clear, smoke gray, white translucent or match color of LED or neon lamp.

9 Other colors available. Consult factory.

10 TUV and VDE Certified to 25 amps. UL Recognized and CSA Accepted to 30 amps. Screw Terminals or Push-in Stud recommended above 20 amps.

11 TUV or VDE Certified must have I-O or Dual Legends. Legend required on Visi-Rocker breakers.

12 30 amp rating not available with delay's 30, 32, 34, 92 or 94.

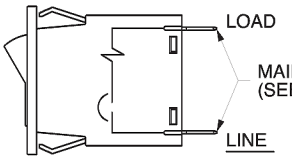
13 Screw Terminals are VDE certified only with use of ring terminal attached to wire.

14 Terminal code A available with circuit codes A & B only.

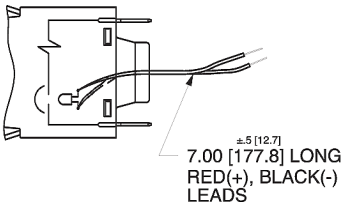
15 Printed circuit board available with UL recognized approval only.

16 Auxiliary switch (flat Q.C.) available with UL recognized approvals only.

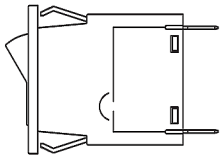
SERIES TRIP



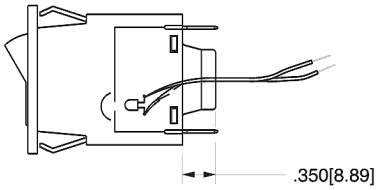
SERIES TRIP W/ ILLUMINATED ROCKER



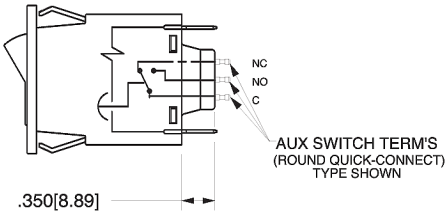
SWITCH ONLY

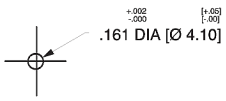


SWITCH ONLY W/ ILLUMINATED ROCKER



SERIES TRIP W/ AUXILIARY SWITCH





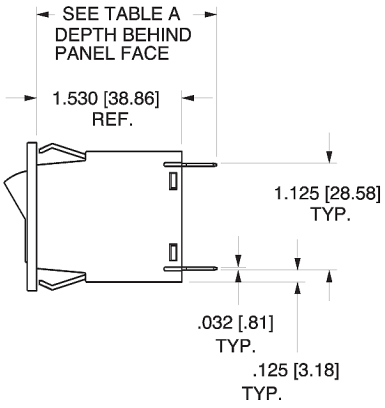


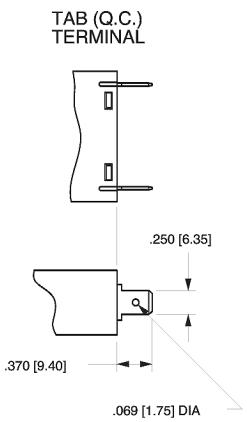
TABLE - A		
TERMINAL DESCRIPTION		DEPTH BEHIND PANEL FACE
MAIN	TAB (Q.C.)	1.900 [48.26]
	SCREW (#8-32)**	1.940 [49.28]
	PUSH-IN STUD	2.530 [64.26]
*AUX. SWITCH	DOUBLE SOLDER TURRET TYPE	2.045 [51.94]
	ROUND Q.C. TYPE	2.035 [51.69]
	FLAT QUICK CONNECT	2.139 [54.33]
	FLAT SOLDER LUG	2.022 [51.36]

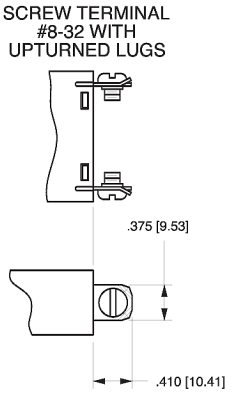
* AUX. SWITCH IS NOT AVAILABLE ON SINGLE POLE ILLUMINATED UNITS. WHEN CALLED FOR ON MULTI-POLE UNITS, ONLY ONE AUX. SWITCH IS NORMALLY SUPPLIED, MOUNTED AS SHOWN ON CLA-8003.

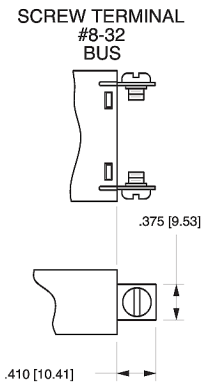
**RECOMMENDED TIGHTENING TORQUE 12-15 IN LBS [1.4-2.7 NM]

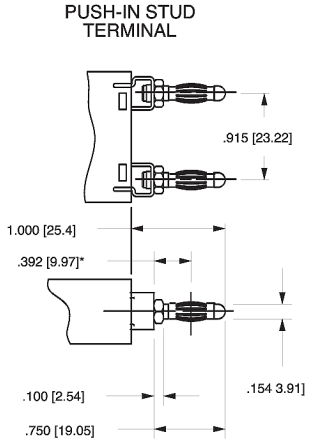
Notes:
1 All dimensions are in inches [millimeters].
2 Tolerance ±.020 [.51] unless otherwise specified.
3 Schematic shown represents current trip circuit.

TERMINAL DIMENSIONAL DETAIL



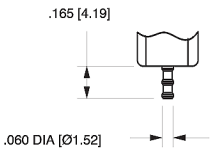




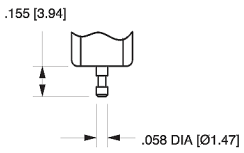


*CENTERLINE OF PUSH-IN STUD CONTACT AREA

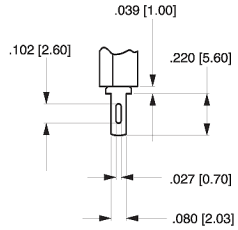
AUXILIARY SWITCH TERMINALS



DOUBLE SOLDER TURRET TYPE



ROUND QUICK-CONNECT TYPE



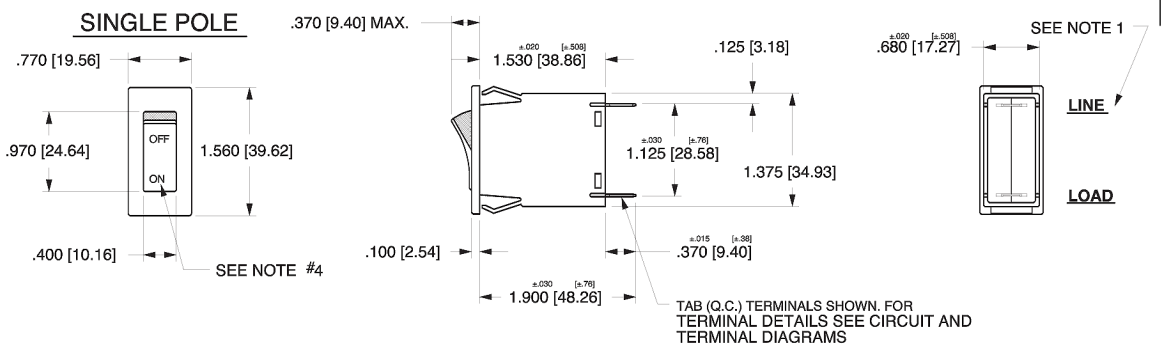
.080 [2.03] X .020 [.51] FLAT QUICK-CONNECT TYPE

FLAT SOLDER LUG TYPE

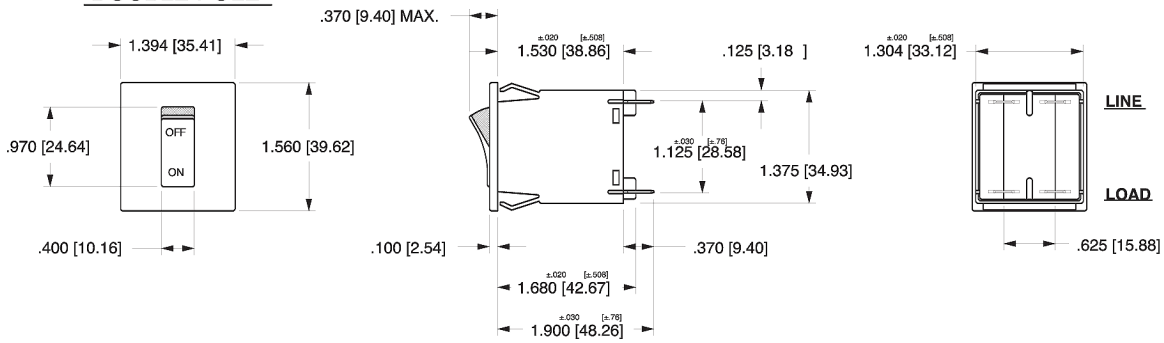
*AVAILABLE THROUGH SPECAIL CATALOG PART NUMBER

INDICATE "ON" (VISI-ON)

SINGLE POLE

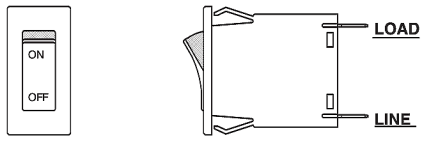


DOUBLE POLE

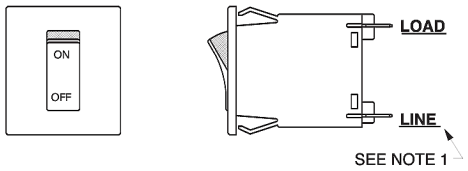


INDICATE "OFF" (VISI-OFF) AND SINGLE COLOR

SINGLE POLE

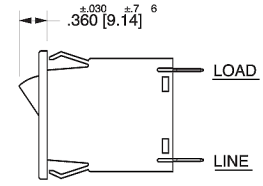


DOUBLE POLE

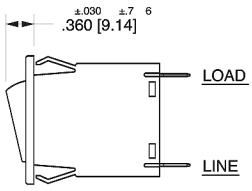


SINGLE COLOR

ANGLED ROCKER STYE

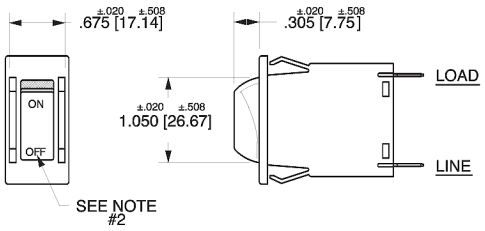


FLAT ROCKER STYE



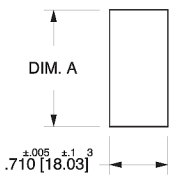
ROCKERGUARD CONFIGURATION

DIMENSIONS ALSO APPLY TO DOUBLE POLE

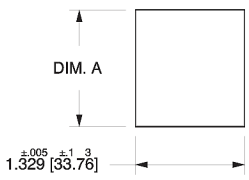


PANEL CUT - OUT DETAIL

SINGLE POLE



DOUBLE POLE



PANEL THICKNESS	DIM. A +.005 -.000 / +.1 -.0 3 0
.062 [1.57]	1.385 [35.18]
.093 [2.36]	1.420 [36.07]
.125 [3.18]	1.460 [37.08]

Notes:

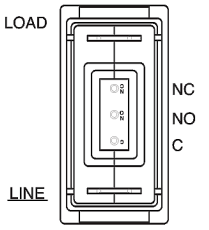
1 Dimensions apply to all variations shown. Notice that circuit breaker line & load terminal orientation on indicate OFF is opposite of indicate ON.
2 I-O, ON-OFF or dual legends available for vertical or horizontal mounting. For pole orientation with horizontal legend, rotate front view clockwise 90°.
3 All dimensions are in inches [millimeters].
4 Tolerance ± 0.20 [.51] unless otherwise specified.

ONE POLE

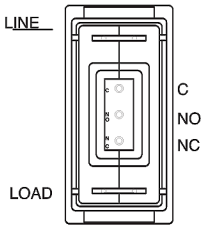
SINGLE POLE / ROCKER BREAKERS SHOWN WITH DOUBLE SOLDER TURRET AND ROUND QC AUX.SWITCH TERMINALS

ROCKER AND AUXILIARY SWITCH OPTIONS

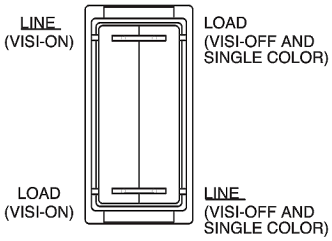
VISI-OFF AND SINGLE COLOR (NON-ILLUMINATED) ROCKER OPTIONS WITH AUXILIARY SWITCH



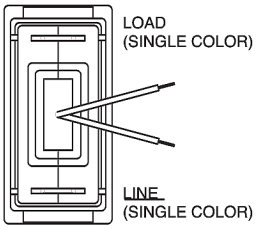
VISI-ON ROCKER WITH AUXILIARY SWITCH



ALL-ROCKER OPTIONS WITHOUT AUXILIARY SWITCH



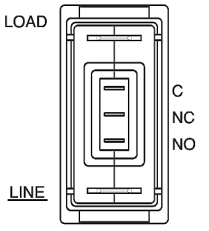
ILLUMINATED ROCKERS WITHOUT AUXILIARY SWITCH



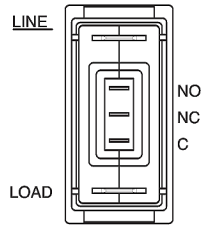
SINGLE POLE / ROCKER BREAKERS SHOWN WITH FLAT QC AND FLAT SOLDER LUG AUX.SWITCH TERMINALS

ROCKER AND AUXILIARY SWITCH OPTIONS

VISI-OFF AND SINGLE COLOR (NON-ILLUMINATED) ROCKER OPTIONS WITH AUXILIARY SWITCH



VISI-ON ROCKER WITH AUXILIARY SWITCH

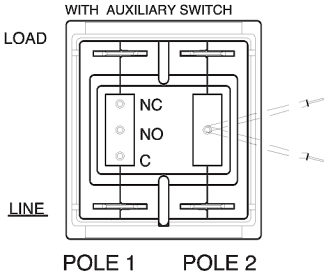


TWO POLE

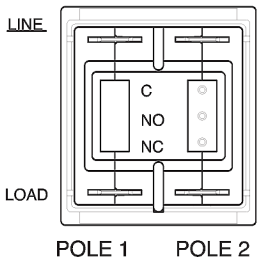
DOUBLE POLE / ROCKER BREAKERS SHOWN WITH DOUBLE SOLDER TURRET AND ROUND QC AUX.SWITCH TERMINALS

ROCKER AND AUXILIARY SWITCH OPTIONS

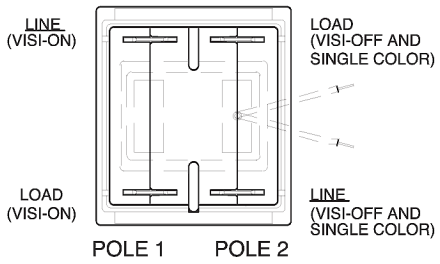
SINGLE COLOR AND VISI-OFF (ILLUMINATED AND NON-ILLUMINATED) ROCKER OPTIONS WITH AUXILIARY SWITCH



VISI-ON ROCKER WITH AUXILIARY SWITCH



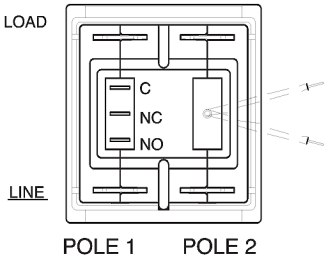
ALL-ROCKER OPTIONS WITHOUT AUXILIARY SWITCH



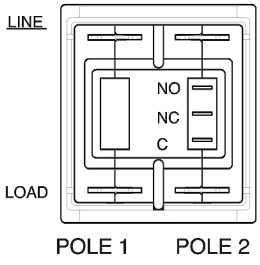
DOUBLE POLE / ROCKER BREAKERS SHOWN WITH FLAT QC AND FLAT SOLDER LUG AUX.SWITCH TERMINALS

ROCKER AND AUXILIARY SWITCH OPTIONS

SINGLE COLOR AND VISI-OFF (ILLUMINATED AND NON-ILLUMINATED) ROCKER OPTIONS WITH AUXILIARY SWITCH



VISI-ON ROCKER WITH AUXILIARY SWITCH



POLE DESIGNATIONS FOR HORIZONTAL MOUNTING/LEGEND- ALL ROCKER STYLES