



Product Type Hydraulic/Magnetic Circuit Breaker

Product Series C-Series

Description C-Series PDF eLibrary 4

The C-Series hydraulic/magnetic circuit breakers are designed for those applications requiring higher amperage and voltage handling capability in a smaller package. Available with American Standard or Metric Threaded Stud terminals, or Saddle Clamp screw terminals. Optional

mid-trip handle style actuator allows visual indication of electrical overload with or without alarm feature. These circuit breakers are also available with new solid color rocker actuators and unique two-color Visi-rocker® actuators. Visi-rocker can be specified to indicate either the ON or TRIPPED/OFF mode. The exclusive Rockerguard and Push-To-Reset bezel help prevent inadvertent actuation.

The C-Series UL489 circuit breakers employ a unique arc chute design which results in obtaining higher interrupting capacities, up to 10,000 amps. New thermoset glass filled polyester half shell construction provides for increased mechanical and electrical strength. Wiping contacts, mechanical linkage with two step actuation, cleans contacts providing high, positive contact pressure and longer contact life.

C-Series circuit breakers are offered in 1-6 poles, 0.02-100amps, up to 480VAC or 80VDC, UL489 up to 240VAC or 125VDC, with choice of time delays, terminal options, actuator styles and colors.

| Series PDF eLibrary | C-Series Cir. Breaker PDF (3.7 MB) Cir. Breaker Time Delays for A,B,C,D & PD-Series PDF (2.3 MB) Cir. Breaker Accessories PDF (49.5 KB) | | |
|-------------------------------------|--|--|--|
| Certifications | UL recognized, CSA, VDE -0642, UL-1500, TUV, UL489 Listed, UL489A Listed (Telecom) | | |
| Number of Poles | 1-6 poles | | |
| Available Delays | Instant, Ultra-Short, Short, Medium, Long (motor loads), AC,DC, AC/DC; High Inrush - Short, Medium, Long | | |
| Maximum Current and Voltage Ratings | UL Listed: 0.1-100A @ 80VDC 0.1-60A @ 125VDC 0.1-70A @ 120VAC 0.1-30A @ 240VAC 110-250A @ 80VDC (UL489A Listed) UL Recognized: 0.02-30A @ 480WYE/277VAC 2 pole 1 phase, 3 pole 3 phase 0.02-50A @ 277VAC 0.02-70A @ 250VAC, 80VDC 71-100A @ 120/240VAC, 65VDC | | |

| Maximum Interrupting Capacity | UL Listed: 10,000A @ 120VAC, 80VDC 5,000A @ 240VAC, 125VDC 10,000A @ 80VDC (UL489A Listed) UL Recognized: 7,500A @ 80VDC 3,000A @ 125/250VAC (UL only) 5,000A @ 250VAC w/fuse back up 5,000A @ 480WYE/277VAC w/fuse back up |
|-------------------------------|--|
| Auxiliary Switch Ratings | 10.1A @ 250VAC 0.1A @ 125VAC (gold contacts) 5A @ 30VDC 0.5A @ 80VDC 1.0A @ 65VDC |
| Available Circuits | Series, Shunt, Relay, Switch Only, Series Mid-Trip w/ Alarm Switch, Series w/Remote Shutdown, Relay and Shunt Trip Dual Coil |
| Actuator Style | Solid Color Curved Rocker (1 per unit) Two Color Visi-Rocker (1 per unit) Handle (1 per pole or 1 per unit) Mid Trip Handle (1 per pole) Mid Trip Handle and Alarm Switch (1 per pole) |
| Terminal Options | .250 Double QC Tabs 10-32 Threaded Stud 10-32 Screw 10-32 Screw with Washer and Saddle Clamp 1/4-20 Threaded Stud M5 Threaded Stud M6 Threaded Stud Push in Stud Terminal |
| Mounting Method | Front Panel |
| Remote Operator Option | Custom designed remote operated motor (housed within a circuit breaker molding), coupled to a Carling Technologies C-Series hydraulic/magnetic circuit breaker. The breaker can be operated manually, or remotely to control circuits for maintenance, load shedding and power distribution control functions from locations that are unattended or difficult to access. Some key features include: * Design flexibility with multiple |
| | but the second second |
| Value Added | Custom actuator colors Non-standard amp ratings Panel hole plug available and more |



Designed for those applications requiring higher amperage and voltage handling capability in a compact design. Available with American Standard or Metric Threaded Stud terminals, or Saddle Clamp screw terminals. Available with optional mid-trip handle style actuator, solid color rocker actuators and Visi-rocker two color actuators. Visi-rocker can be specified to indicate either the ON or TRIPPED/OFF mode. Rockerguard and Push-To-Reset bezel help prevent inadvertent actuation.

The C-Series UL489 breakers employ a unique arc chute design which results in obtaining higher interrupting capacities, up to 50,000 amps. Thermoset glass filled polyester half shell construction for increased mechanical & electrical strength; Wiping Contacts - Mechanical linkage with two-step actuation – cleans contacts, provides high, positive contact pressure & longer contact life; 1-6 poles, 0.02 - 100 amps, up to 480 VAC or 80 VDC, UL489 up to 240 VAC or 125 VDC, with choice of time delays and actuator colors.

CSA Accepted

CSA Certified

TUV Certified

VDE Certified

SP:

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Agency Certifications

UL Recognized

| UL Standard 1077 | Component Recognition Program as Protectors, Supplementary (Guide CCN/QVNU2, File E75596) |
|------------------|--|
| UL Standard 508 | Switches, Industrial Control (Guide CCN/NRNT2, File E148683) |
| UL Standard 1500 | Protectors, Supplementary for Marine Electrical & Fuel Systems (Guide PEQZ2, File E75596) Ignition Protection |
| UL Listed | |
| UL Standard 489 | Circuit Breakers, Molded Case, (Guide DIVQ, File E189195) |
| UL Standard 489A | Communications Equipment (Guide CCN/DITT, File E189195) |

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

Circuit Breaker Model Case (Class 1432 01, File 093910), CSA Standard C22.2 No. 5.1 - M

EN60934, under License No. R72041016

EN60934, VDE 0642 under File No. 10537

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Electrical

| Maximum Voltage | AC, 480 WYE/277 VAC, 50/60 Hz (see Table A.) | Endu |
|-------------------------|---|---------|
| | UL489: AC,240 VAC. (See Table D), 50/60 Hz, 125 VDC | Trip F |
| Current Rating | Standard current coils: 0.100, 0.250, | |
| | 0.500, 0.750, 1.00, 2.50, 5.00, 7.50, | Trip Ir |
| | 10.0, 15.0, 25.0, 30.0, 35.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, and 100.0, 50.0, 60.0, 70.0, 80.0, 90.0, and 100.0, 50.0, | |
| | amps Other ratings available see | |
| | Ordering Scheme. | |
| Standard Voltage Coils | DC - 6V, 12V; AC - 120V; other rat- | |
| - | ings available, see Ordering | |
| | Scheme. | |
| Auxiliary Switch Rating | SPDT; 10.1 amps-250VAC, DC Aux. | |
| | Switch 1.0A, 65 VDC. 0.5A, | |
| | 80VDC,1/4 HP, 125VAC,VDE & TUV | Phys |
| Insulation Resistance | 1.0 125 VAC. Minimum of 100 Megohms at 500 \/DC | |
| Dielectric Strength | UL, CSA: 1960 V 50/60 Hz for one | Numb |
| Diolocatio Calorigan | minute between all electrically isolat- | . turne |
| | ed terminals. C-Series Circuit | |
| | Breakers comply with the 8mm | |
| | spacing and 3750V 50/60 Hz dielec- | Interna |
| | tric requirements from hazardous | |
| | voltage to operator accessible sur- | |
| | faces, between adjacent poles and | |
| | nom main circuits to auxiliary circuits | |
| | 0805. | |
| | | |

Resistance, Impedance

Values from Line to Load Terminal based on Series Trip Circuit Breaker

15%

25%

35%

CURRENT (AMPS)

0.10 - 5.0

5.1 - 20.0

20.1 - 100.0

| | RESISTANCE, IMPEDANCE VALUES from Line to Load Terminals | | | | | | |
|-------|---|---------|-----|-----|--|--|--|
| (Va | (Values Based on Series Trip Circuit Breaker) | | | | | | |
| 1000 | | | | | | | |
| Ħ | | | | | | | |
| 100 | | | | | | | |
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| 10 | | | | | | | |
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| H 1 | | | | | | | |
| s III | | | | | | | |
| 0.1 | | III N | | | | | |
| | | X | | | | | |
| 0.01 | | | X | | | | |
| | | | N | | | | |
| F | | | | | | | |
| 0.001 | 0.1 | 1 | 10 | 100 | | | |
| | AMP | ERE RAT | ING | | | | |

Pulse Tolerance Curves



Mechanical

| 50/60 Hz | Endurance | 10,000 ON-OFF operations @ 6 per |
|--|---------------------------------|---|
| ee Table D), | Trip Free | All C-Series circuit breakers will trip |
| .100, 0.250, | | forcibly held in the ON position. |
| 5.00, 7.50, 5.0, 40.0, 0.0 and 100 ilable, see | Trip Indication | The operating actuator moves posi- tively to the OFF position when an overload causes the breaker to trip. With mid-trip, handle moves to the mid position on electrical trip of the |
| /; other rat- ring | | circuit breaker. With mid trip handle with alarm switch, handle moves to the mid position and the alarm |
| AC, DC Aux. 5A, VDE & TUV | | switch actuates when the circuit breaker is electrically tripped. |
| , VDL & TOV | Physical | |
| at 500 VDC. | | |
| Hz for one rically isolat- Circuit e 8mm | Number of Poles | 1-6 poles ≤ 50A; 1-4 poles @ 51- 70A; 1-2 poles 71-100A. UL489 Handle: 1 pole ≤ 100A, 2 pole ≤ 50A; Rocker: 1 pole ≤ 100A. |
| 0 Hz dielec- azardous ssible sur- t poles and illiary circuits 50 and VDE | Internal Circuit Configurations | Series (with or without auxiliary switch, mid trip & mid trip with alarm switch) Shunt & Relay with current or voltage trip coils, Dual Coil, Switch Only (with or without aux. switch). UL489: Series (with or with- out auxiliary switch, mid-trip & mid- |
| d Ierminal - | Weight | trip with alarm switch). |
| | Standard Colors | Housing: Black |
| TOLERANCE (%) | | - |
| | | |

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, Test Condition "I". |
| | Instantaneous and ultrashort curves |
| | tested @ 90% of rated current. |
| Vibration | Withstands 0.060" excursion from 10- |
| | 55 Hz & 10 Gs 55-500 Hz, @ rated |
| | current per Method 204C, Test Cond. |
| | A. Instantaneous & ultrashort curves |
| | tested @ 90% 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 |
| | |

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| eries | Actuator Po | les | Circuit | Aux/Alarm Switch | Frequency & Delay |
|---|--|--|---|--|--|
| 1 SE C | RIES | | | | |
| 2 AC A B S T | TUATOR ¹ Handle, one pe Handle, one pe Mid-Trip Handle Mid-Trip Handle | r pole r multipole ur e, one per pol e, one per pol | nit e e & Alarm S | witch | |
| <mark>3 PO</mark> 1 2 | DLES ² One Two | 3 4 | Three Four | 5 6 | Five Six |
| 4 CIF A ³ B C D ⁴ E ⁴ | RCUIT [®] Switch Only (No Series Trip (Cu Series Trip (Vol Shunt Trip (Cur Shunt Trip (Volt | o Coil) rrent) tage) rent) age) | F ⁴ G ⁴ H ^{4,5} K ^{4,5} | Relay Trip (C Relay Trip (V Dual Coil wit Voltage Coil Dual Coil wit Voltage Coil | Current) oltage) h Shunt Trip h Relay Trip |
| 5 AU 0 2 3 4 | UXILIARY/ALAR w/o Aux Switch S.P.D.T., 0.110 S.P.D.T., 0.139 S.P.D.T., 0.110 (Gold Contacts) | M SWITCH [®] Q.C. Term. Solder Lug Q.C. Term. | 5 6 7 8 9 | S.P.S.T., 0.11 (Gold Contac S.P.S.T., 0.13 S.P.S.T., 0.11 Term.(Gold C S.P.S.T., 0.18 S.P.D.T., 0.18 | 0 Q.C. Term. ts) 39 Solder Lug 0 Q.C. Contacts) 37 Q.C. Term. 37 Q.C. Term. |
| 6 FR 03 ³ 10 ⁷ 11 12 14 16 20 ⁷ 21 22 24 26 | EQUENCY & DEL DC 50/60Hz, S DC Instantanee DC Ultra Short DC Medium DC Long 50/60Hz Instan 50/60Hz Ultra S 50/60Hz Short 50/60Hz Mediu 50/60Hz Augiu | AY witch Only bus taneous Short m | 30 31 32 34 36 42 ⁸ 46 ⁸ 52 ⁸ 52 ⁸ 55 ⁸ | DC, 50/60Hz DC, 50/60Hz DC, 50/60Hz DC, 50/60Hz DC, 50/60Hz Shc 50/60Hz Mc 50/60Hz Lot DC, Short,Hi DC, Medium, DC, Long, F | : Instantaneous : Ultra Short : Short : Medium : Long rt, Hi-Inrush : Hi-Inrush ng, Hi-Inrush Hi-Inrush Hi-Inrush |
| tes: Ac A: B: S: circ T: I the Sta and onl | tuator Code: Handle tie pin spac Pole - left pole 4 pole - left pole 4 pole - two hand Handle moves to m cuit codes B, C, D, Handle moves to m breaker. Available andard multipole un d/or mixed poles. 4 ly. | er(s) and retain viewed from fro es at center pole id-position only E, F, G, H and id-position and id-position and id-position and id-position and its have all pole pole max w/VE | hers provided i 3 pole - ce 5 5 pole - thi s v upon electric K. alarm switch i es B & C. as identical ex IE. 5th pole av | assembled with m nter pole ree handles at ce al trip of the breal activates only upo cept when specify railable as Series | nulti-pole units. nter poles ker. Available with on electrical trip of ving auxilary switch Trip w/Voltage Co |

- Certification when tied to a protected pole (Circuit Code B, C, D or H.). For .02 to 30 amps, select Current Code 630. For 35 50 amps, select Current Code 650. For 55-70 amps, select Current Code 670. For 75-100 amps, select Current Code 810.
- Circuit Codes D,E,F,G,H & K available with Terminal Codes 1,2,4 & 5 only. Circuit Codes D, F, H & K available up to 50 amps maximum Current Rating. 4
- 5 Consult factory for available Dual Coil options, as special catalog number is required. Dual Coil Voltage Coils with Shunt Trip Construction trip instantaneously on line voltage. Dual Coil Voltage Coils require 30VA minimum power to trip instantaneously and are rated for intermittent duty only.
- Auxiliary Switch available with Series Trip and Switch Only circuits. On multi-pole break-ers, one aux. switch is supplied, mounted in the extreme right pole. 6
- Voltage coils not rated for continuous duty. Available only with delay codes 10 and 20. Available with Circuit Codes B & D only, and up to 50 amps maximum. Current Ratings 60 70 are available up to four poles maximum. Ratings 71 100 are 8
- 9 available up to two poles maximum. Terminal Code 1 available to 60 amps maximum.
- 10
- 11 Terminal Codes 2,4,5 and C available to 50 amps maximum.
- 12 13 Terminal Codes 3,6 & 9 available to 100 amps maximum. Terminal Code 7 available to 25 amps maximum.
- 14 Terminal Code A available to 100 amps maximum
- 15
- Terminal Codes 7,8,9 & C are not VDE approved. No marking available. Consult factory. VDE/TUV Approval requires dual (I-O, ON-OFF) 16 or I-O markings on all handles.
- 17
- Single pole only. VDE/TUV: 30 amps max.; UL/CSA: 50 amps max.; Available in 2 4 poles only and lim-18 ited to AC Delays. "General Purpose amps" not rated for "full load amps" or to be used in applications with a motor.

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|---|---|---|---------------------|-----------------------|---|--|---|--------------------------|
| 7 Curr | ent Rating | | 8 Terminal | 9 Ac Cc | tuator Nor | 10 Mount Barrier | ing/ rs | 11 Agency Approval |
| 7 CU | | | | | | | | |
| 020 | 0.020 | 235 | 0.350 | | 430 | 3 000 | 614 | 14 000 |
| 025 | 0.025 | 240 | 0.400 | | 435 | 3.500 | 615 | 15.000 |
| 030 | 0.030 | 245 | 0.450 | | 440 | 4.000 | 616 | 16.000 |
| 035 | 0.035 | 250 | 0.500 | 4 | 445 | 4.500 | 617 | 17.000 |
| 040 | 0.040 | 255 | 0.550 | 4 | 450 | 5.000 | 618 | 18.000 |
| 045 | 0.045 | 260 | 0.600 | 4 | 455 | 5.500 | 620 | 20.000 |
| 050 | 0.050 | 200 | 0.650 | | 400 | 6.000 | 624 | 22.000 |
| 060 | 0.060 | 275 | 0.750 | | 470 | 7 000 | 625 | 25,000 |
| 065 | 0.065 | 280 | 0.800 | | 475 | 7.500 | 630 | 30.000 |
| 070 | 0.070 | 285 | 0.850 | 4 | 48 0 | 8.000 | 635 | 35.000 |
| 075 | 0.075 | 290 | 0.900 | 4 | 485 | 8.500 | 640 | 40.000 |
| 080 | 0.080 | 295 | 0.950 | 4 | 490 | 9.000 | 650 | 50.000 |
| 000 | 0.085 | 410 512 | 1.000 | | 490 610 | 9.500 | 670 ⁹ | 70,000 |
| 090 | 0.095 | 415 | 1.230 | - | 710 | 10.000 | 680 | 80,000 |
| 210 | 0.100 | 517 | 1.750 | (| 611 | 11.000 | 685° | 85.000 |
| 215 | 0.150 | 420 | 2.000 | | 711 | 11.500 | 690 ° | 90.000 |
| 220 | 0.200 | 522 | 2.250 | (| 612 | 12.000 | 695° | 95.000 |
| 225 | 0.250 | 425 | 2.500 | | 712 | 12.500 | 810° | 100.000 |
| 230 OR \ | | 527 II (NOM | Z.750 | | | GE)7 | | |
| A06 | 6 DC | A32 | 32 DC | | J12 | 12 AC | .J65 | 65 AC |
| A12 | 12 DC | A48 | 48 DC | | J18 | 18 AC | K20 | 120 AC |
| A18 | 18 DC | A65 | 65 DC | | J24 | 24 AC | L40 | 240 AC |
| A24 | 24 DC | J06 | 6 AC | | J48 | 48 AC | | |
| 1 ¹⁰ 2 ¹¹ 3 ¹² 4 ¹¹ 5 ¹¹ | Stud 10-32, Screw 10-32 Stud 1/4-20, Stud M5 x 0 Screw M5 x | threaded threaded .8, thread 0.8 | d led | | 7 ^{13, 15} 8 ¹⁵ 9 ^{12, 15} A ¹⁴ C ^{11, 15} | 0.250 D 1/4" Clip 7/16" Cli Plug-In \$ 5/16" Cli | ouble Quick Terminal ip Terminal Stud ip Terminal | Connect |
| 9 AC | | LOR & L | EGEND ¹⁶ | | | | | |
| Actua | ator Color | ŀ | -0 | ON-0 | OFF | Dual | Legend | l Color |
| White | e | , A | A. | В | | 1 | Black | |
| Red | x | F | - | G | | 2 | White | |
| Gree | n | ŀ | 1 | Ĵ | | 4 | White | |
| Blue | | ŀ | (| L | | 5 | White | |
| Yellov | v | N | Λ | N | | 6 | Black | |
| Orano | le | F | 2 | S | | 8 | Black | |
| Black | (short handle | e) ¹⁷ 1 | | Ū | | 9 | White | |
| 10 M | OUNTING/BA | RRIERS | ; | 0 | | 3 | White | |
| | MOUNTING | STYLE | | BAR | RIER | s v | OLTAGE | |
| 1 | 6-32 x 0 195 | inches | | no | | | 300 | |
| Å | 6-32 X 0.195 | inches | | ves | | ~ | 300 | |
| C ¹⁸ | 6-32 X 0.195 | 5 inches | | yes | | ≥ | 300 | |
| 2 | ISO M3 x 5n | nm | | no | | < | 300 | |
| B | ISO M3 x 5n | nm | | yes | | < | 300 | |
| D18 | ISO M3 x 5n | nm Snan /- | 1 00" 10 | yes | n1 | ≥ la ha r a' | 300 | |
| E ¹⁷ | with Handleg | guard | , 1.00 [2 | 5.4 1111 NO | nj wić | e dezei < | 300 | |
| 11 A | | | | | | | | |
| С | UL Recognize | d & CSA | Accepted | | | | | |
| D | VDE Certified | ULReco | gnized & C | SAAd | cepted | ł . | | |
| Ĕ | IUV Certifie | a, UL Re | cognized | & CS/ | A Acce | epted | DA A 4 | |

- UL489 Construction: VDE Certified, UL Recognized & CSA Accepted
- UL Rec. STD 1077, UL Rec. 1500 (ignition protected), & CSA Accepted UL489 Construction: UL Recognized & CSA Accepted
- L R UL489 Construction: TUV Certified, UL Recognized & CSA Accepted



NOTES: TOLERANCE ON STUD LENGTHS IS ±.031 [±.79] UNLESS OTHERWISE SPECIFIED.





| TIGHTENING TORQUE SPECIFICATIONS | | | | | |
|---|--------------|--|--|--|--|
| THREAD SIZE | TORQUE | | | | |
| #6-32 [M3] MOUNTING | 7-9 IN-LBS | | | | |
| INSERTS | [0.8-1.0 NM] | | | | |
| #10-32 & M5 | 15-20 IN-LBS | | | | |
| THD STUDS | [1.7-2.3 NM] | | | | |
| #10-32 THD | 15-20 IN-LBS | | | | |
| SCREW | [1.7-2.3 NM] | | | | |
| #1/4-20 & M6 30-35 IN-LBS THD STUDS [3.4-4.0 NM] | | | | | |

| TERMINAL HARDWARE | | | | | | |
|-------------------------|---|---------------------|-------------------|--|--|--|
| TERMINAL DESCRIPTION | ERMINAL CODE AGENCY APPROVAL AMPERE RATING | | HARDWARE SUPPLIED | | | |
| #10-32 STUD | 1 | ALL | .02 - 50 | LOCK WASHER - FLAT WASHER - NUT | | |
| M5 STUD | 4 | ALL | .02 - 50 | LOCK WASHER - FLAT WASHER - NUT | | |
| | 3 | ALL | .02 - 80 | LOCK WASHER - FLAT WASHER - NUT | | |
| #1/4-20 STUD | | | 81 - 100 | LOCK WASHER - NUT - (2)FLAT WASHER - NUT | | |
| MOOTUD | 6 | ALL | .02 - 80 | LOCK WASHER - FLAT WASHER - NUT | | |
| M6 STUD | | | 81 - 100 | LOCK WASHER - NUT - (2)FLAT WASHER - NUT | | |
| | | UL RECOGNIZED | .02 - 50 | * SADDLE CLAMP - FLAT WASHER - SCREW | | |
| #10-32 SCREW | | UL-489 LISTED | .02 - 50 | LOCK WASHER - FLAT WASHER - SCREW | | |
| | 205 | TUV & VDE CERTIFIED | .02 - 16 | * SADDLE CLAMP - FLAT WASHER - SCREW | | |
| | | TUV & VDE CERTIFIED | 16.1 - 50 | LOCK WASHER - FLAT WASHER - SCREW | | |

* THE SADDLE CLAMP IS FOR DIRECT WIRE CONNECTION USE. DISCARD SADDLE CLAMP IF WIRE TERMINAL LUG IS USED

Notes:

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance ±.020 [.51] unless otherwise specified.
- 3 Available on Series Trip and Switch Only Circuits when called for on multi-pole units. Only one aux. switch is normally supplied, as viewed in mulit-pole identification scheme.



| HANDLE POSITION VS. AUX/ALABM SWITCH MODE | | | | | | | |
|---|-----------------|------------------|-----------------|-------------------------------|---|--|--|
| <u> </u> | | | | | | | |
| CIRCUIT BREAKER MODE | HANDLE POSITION | AUX. SWITCH MODE | HANDLE POSITION | STANDARD ALARM SWITCH MODE | REVERSE ALARM SWITCH MODE ⁴ | | |
| OFF | OFF C | NC NO C | 30° OFF | NC NO C | NC NO C | | |
| ON | ON 30° | NC NO C | ON 30° | NC NO C | NC NO C | | |
| ELECTRICAL TRIP | OFF OFF | NC NO C | 90° | NC NO C | NC NO C | | |

Notes:

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

4 Available only as special catalog number.



Notes

- All dimensions are in inches [millimeters]. Tolerance ±.020 [.51] unless otherwise specified. 2



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